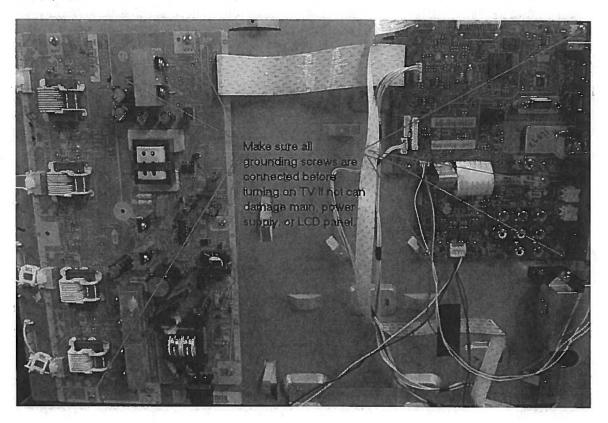
### ATTENTION ON ALL DVD/TV combo TV's

When working on a TV/DVD combo unit make sure you have all your ground screws connected when turning on TV if not can damage the main board, power supply, or LCD panel.



#### WHEN REPLACING DVD DECK

#### [ When removing the DVD Deck ]

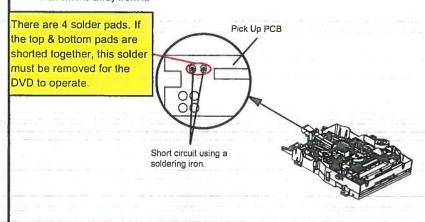
Before removing Pick Up PCB and DVD MT PCB connector, the short circuit the position shown in Fig. 1 using a soldering iron. If you remove the DVD Deck with no soldering, the Laser may be damaged.

#### [ When installing the DVD Deck ]

Remove all the soldering on the short circuit position after the connection of Pick Up PCB and DVD MT PCB connector.

#### NOTE

- · Before your operation, please read "PREPARATION OF SERVICING",
- Use the Lead Free solder.
- · Manual soldering conditions
  - Soldering temperature: 320 ± 20°C
  - · Soldering time: Within 3 seconds
  - · Soldering combination: Sn-3.0Ag-0.5Cu
- When Soldering/Removing of solder, use the draw in equipment over the Pick Up Unit to keep the Flux smoke away from it.



#### PREPARATION OF SERVICING

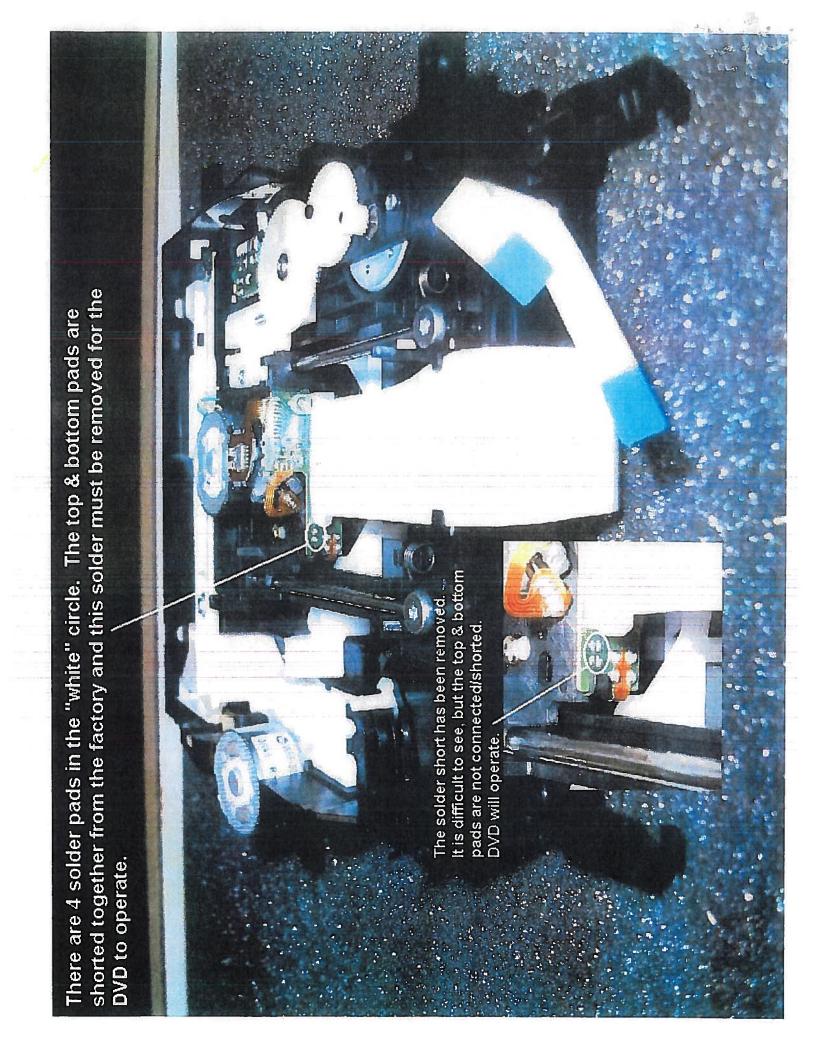
Fig. 1

The laser diode used for a pickup head may be destroyed with external static electricity.

Moreover, even if it is operating normally after repair, when static electricity discharge is received at the time of repair, the life of the product may be shortened.

Please perform the following measure against static electricity, be careful of destruction of a laser diode at the time of repair.

- · Place the unit on a workstation equipped to protect against static electricity, such as conductive mat.
- · Soldering iron with ground wire or ceramic type is used.
- · A worker needs to use a ground conductive wrist strap for body.





### **SANYO** Factory Code Z6CE Service Reference NO. 343

## **DP32671**

# SERVICE MANUAL

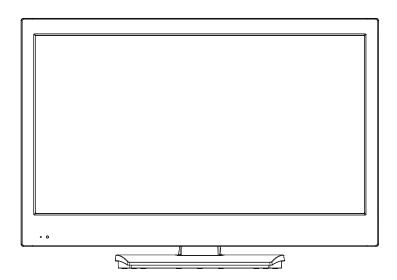
### 32" HDTV LCD/DVD Combo











**ORIGINAL** MFR'S VERSION A

#### **CAUTION**

THIS LCD COLOR TELEVISION EMPLOYS A LASER SYSTEM.

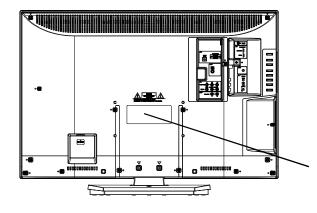
TO ENSURE PROPER USE OF THIS PRODUCT, PLEASE READ THIS SERVICE MANUAL CARE-FULLY AND RETAIN FOR FUTURE REFERENCE. SHOULD THE UNIT REQUIRE MAINTENANCE, CONTACT AN AUTHORIZED SERVICE LOCATION-SEE SERVICE PROCEDURE.

USE OF CONTROLS, ADJUSTMENTS OR THE PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

TO PREVENT DIRECT EXPOSURE TO LASER BEAM, DO NOT TRY TO OPEN THE ENCLOSURE. VISIBLE LASER RADIATION MAY BE PRESENT WHEN THE ENCLOSURE IS OPENED. DO NOT STARE INTO BEAM.

#### **Location of the required Marking**

The rating sheet and the safety caution are on the rear of the unit.



CERTIFICATION: COMPLIES WITH FDA RADIATION PERFORMANCE STANDARDS, 21 CFR SUBCHAPTER J.

#### PREPARATION OF SERVICING

The laser diode used for a pickup head may be destroyed with external static electricity.

Moreover, even if it is operating normally after repair, when static electricity discharge is received at the time of repair, the life of the product may be shortened.

Please perform the following measure against static electricity, be careful of destruction of a laser diode at the time of repair.

- Place the unit on a workstation equipped to protect against static electricity, such as conductive mat.
- Soldering iron with ground wire or ceramic type is used.
- A worker needs to use a ground conductive wrist strap for body.

#### **SERVICING NOTICES ON CHECKING**

#### 1. KEEP THE NOTICES

As for the places which need special attentions, they are indicated with the labels or seals on the cabinet, chassis and parts. Make sure to keep the indications and notices in the operation manual.

#### 2. AVOID AN ELECTRIC SHOCK

There is a high voltage part inside. Avoid an electric shock while the electric current is flowing.

#### 3. USE THE DESIGNATED PARTS

The parts in this equipment have the specific characters of incombustibility and withstand voltage for safety. Therefore, the part which is replaced should be used the part which has the same character.

Especially as to the important parts for safety which is indicated in the circuit diagram or the table of parts as a  $\triangle$  mark, the designated parts must be used.

### 4. BE CAREFUL WITH THE LCD PANEL

Avoid a shock to the panel while servicing. Take enough care to deal with it.

#### 5. PUT PARTS AND WIRES IN THE ORIGINAL POSITION AFTER ASSEMBLING OR WIRING

There are parts which use the insulation material such as a tube or tape for safety, or which are assembled in the condition that these do not contact with the printed board. The inside wiring is designed not to get closer to the pyrogenic parts and high voltage parts. Therefore, put these parts in the original positions.

### 6. PERFORM A SAFETY CHECK AFTER SERVICING

Confirm that the screws, parts and wiring which were removed in order to service are put in the original positions, or whether there are the portions which are deteriorated around the serviced places serviced or not. Check the insulation between the antenna terminal or external metal and the AC cord plug blades. And be sure the safety of that.

#### (INSULATION CHECK PROCEDURE)

- 1. Unplug the plug from the AC outlet.
- 2. Remove the antenna terminal on TV and turn on the TV.
- Insulation resistance between the cord plug terminals and the eternal exposure metal [Note 2] should be more than 1M ohm by using the 500V insulation resistance meter [Note 1].
- If the insulation resistance is less than 1M ohm, the inspection repair should be required.

#### [Note 1]

If you have not the 500V insulation resistance meter, use a Tester.

#### [Note 2]

External exposure metal: Antenna terminal Headphone jack

#### **HOW TO ORDER PARTS**

Please include the following informations when you order parts. (Particularly the VERSION LETTER.)

- MODEL NUMBER and VERSION LETTER
   The MODEL NUMBER can be found on the back of each product and the VERSION LETTER can be found at the end of the SERIAL NUMBER.
- 2. PART NO. and DESCRIPTION
  You can find it in your SERVICE MANUAL.

#### IMPORTANT

When you exchange IC and Transistor with a heat sink, apply silicon grease (YG6260M) on the contact section of the heat sink. Before applying new silicon grease, remove all the old silicon grease. (Old grease may cause damage to the IC and Transistor).

### **IMPORTANT SAFEGUARDS**

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- PORTABLE CART WARNING (symbol provided by RETAC)



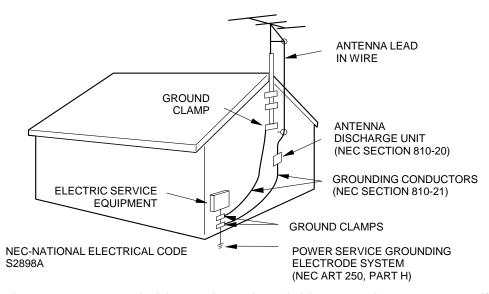
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15) Apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such a vases, shall be placed on the apparatus.
- 16) An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.
- 17) Do not overload wall outlets and extension cords, as this can result in a risk of fire or electric shock.
- 18) Do not push objects through any openings in this unit, as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid into the unit.

### **IMPORTANT SAFEGUARDS**

(CONTINUED)

19) If an outside antenna or cable system is connected to the unit, be sure the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges, Section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

### EXAMPLE OF ANTENNA GROUNDING AS PER THE NATIONAL ELECTRICAL CODE



- 20) When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
- 21) Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.
- 22) Keep your fingers clear of the disc slot as it is closing. It may cause injury.
- 23) When you connect the product to other equipment, turn off the power and unplug all of the equipment from the wall outlet. Failure to do so may cause an electric shock and serious personal injury. Read the owner's manual of the other equipment carefully and follow the instructions when making any connections.
- 24) Reduce the volume to the minimum level before you turn on the product. Otherwise, sudden high volume sound may cause hearing or speaker damage.

### IMPORTANT SAFEGUARDS

(CONTINUED)

- 25) Do not allow the product to output distorted sound for an extended period of time. It may cause speaker overheating and fire.
- 26) When you use the headphones, keep the volume at a moderate level. If you use the headphones continuously with high volume sound, it may cause hearing damage.
- 27) Do not look into the opening of the disc slot or ventilation opening of the product to see the source of the laser beam. It may cause eye damage.
- 28) Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and product malfunction.
- 29) This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be con nected to the grounding system of the building, as close to the point of cable entry as practical.

#### **CONDENSATION**

Moisture will form in the operating section of the player if the player is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, player's performance will be impaired.

To prevent this, let the player stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually.

Condensation may also form during the summer if the player is exposed to the breeze from an air conditioner. In such cases, change the location of the player.

#### HOW TO HANDLE THE LCD PANEL

- Do not press hard or jolt the LCD panel. It may cause the LCD panel glass to break and injury may occur.
- If the LCD panel is broken, make absolutely sure that you do not touch the liquid in the panel. This may cause skin inflammation.

If the liquid gets in your mouth, immediately gargle and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult with your doctor after rinsing for at least 15 minutes or longer in clean water.

#### WHEN REPLACING DVD DECK

#### [ When removing the DVD Deck ]

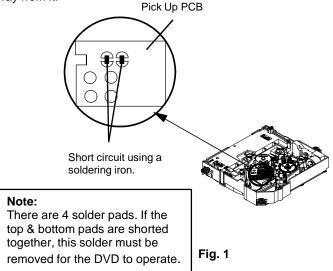
Before removing Pick Up PCB and DVD MT PCB connector, the short circuit the position shown in **Fig. 1** using a soldering iron. If you remove the DVD Deck with no soldering, the Laser may be damaged.

#### [ When installing the DVD Deck ]

Remove all the soldering on the short circuit position after the connection of Pick Up PCB and DVD MT PCB connector.

#### **NOTE**

- Before your operation, please read "PREPARATION OF SERVICING".
- Use the Lead Free solder.
- · Manual soldering conditions
  - Soldering temperature: 350 ± 5°C
  - Soldering time: Within 4 seconds
  - Soldering combination: Sn-3.0Ag-0.5Cu
- When Soldering/Removing of solder, use the draw in equipment over the Pick Up Unit to keep the Flux smoke away from it.



#### PREPARATION OF SERVICING

The laser diode used for a pickup head may be destroyed with external static electricity.

Moreover, even if it is operating normally after repair, when static electricity discharge is received at the time of repair, the life of the product may be shortened.

Please perform the following measure against static electricity, be careful of destruction of a laser diode at the time of repair.

- Place the unit on a workstation equipped to protect against static electricity, such as conductive mat.
- Soldering iron with ground wire or ceramic type is used.
- A worker needs to use a ground conductive wrist strap for body.

#### DISC REMOVAL METHOD AT NO POWER SUPPLY

- 1. Remove the Stand, Front Cabinet Ass'y and LCD Panel. (Refer to item 1 of the DISASSEMBLY INSTRUCTIONS.)
- 2. Slide the Rack Base toward the arrow direction by hand to release the lock. (Refer to Fig. 1)
- 3. Take out the Disc from the DVD Deck. Be careful not to scratch on the Disc.

#### **DVD Deck**

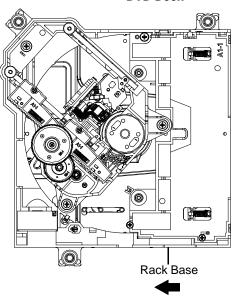
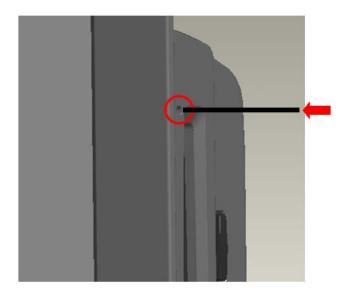


Fig. 1

#### **HOW TO DSM-5 DISC IRREGULAR EJECT**

- 1. You must be take off power cord first and waiting until Disc stop then proceeding further.
- 2. Insert the long wood bar or steel bar (diameter about 2 mm.) into hole side of unit for take out Disc.



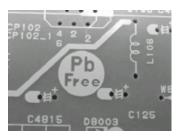
#### Caution:

- Please take out Disc with the above method. If you use other method, it maybe NG.
- Use this method only emergency case. If you use it in case of DVD Unit is normal, it maybe NG.
- While Disc is playing back, reading or searching, do not take out it with this method. Disc maybe scratch if you take out it while it's reading.

#### **ABOUT LEAD FREE SOLDER (PbF)**

#### **Distinction of PbF PCB:**

PCBs (manufactured) using lead free solder will have a PbF printing on the PCB. (Please refer to figures.)



#### Caution:

- Pb free solder has a higher melting point than standard solder;
   Typically the melting point is 86°F~104°F(30°C~40°C) higher.
   Please use a soldering iron with temperature control and adjust it to 650°F ± 20°F (350°C ± 10°C).
   In case of using high temperature soldering iron, please be careful not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100°F/ 600°C).
- All products with the printed circuit board with PbF printing must be serviced with lead free solder.
   When soldering or unsoldering, completely remove all of the solder from the pins or solder area,
   and be sure to heat the soldering points with the lead free solder until it melts sufficiently.

#### Recommendations

Recommended lead free solder composition is Sn-3.0Ag-0.5Cu.

#### HOTEL MODE FUNCTION

#### To set the Hotel mode, please follow the steps below.

- 1. In power on mode, set the VOLUME to minimum.
- 2. Press and hold the VOLUME DOWN button on the front panel.
- 3. Simultaneously press and hold the MENU button on the remote control for more than 2 seconds.
- 4. The Hotel mode setting menu will appear.
- 5. Using the UP/DOWN button on the remote control, select the desired mode. Then press the ENTER button.
- 6. Using the LEFT/RIGHT button on the remote control, set the mode to desired setting.
- 7. Using the UP/DOWN button on the remote control, select the ENTER. Then press the ENTER button of remote control.
- 8. The Hotel mode has now been set up.



- 1. In power on mode, set the VOLUME to minimum.
- 2. Press and hold the VOLUME DOWN button on the front panel.
- 3. Simultaneously press and hold the MENU button on the remote control for more than 2 seconds.
- 4. The Hotel mode setting menu will appear.
- 5. Using the UP/DOWN button on the remote control, select the RESET. Then press the ENTER button on the remote control.
- 6. The setting items has now been returned to initial value.

Setting item	Setting value	Initial value	FUNCTION
Maximum volume	0~50	50	Setting of the maximum volume value.
Panel button	DESDOND/		Effective/invalid setting of main key operation. (*Note 1)
Menu button	RESPOND/ NO RESPOND	RESPOND	Effective/invalid setting of Menu key operation of set and remote control. (*Note 1)
Input mode start	NORMAL/ TV/AV/ COMPONENT/ HDMI/PC	NORMAL	Setting of input source at power supply On. (*Note 2)
Reset			Various settings of the Hotel mode function return initial State.

Note 1) Even if setting it to "No Respond", the service mode function are effective.

Note 2) If setting it to "NORMAL", it start up in same input source when you turn off the power before.



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TUNER	
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ELECTRICAL REPLACEMENT PARTS LIST	

G-1				
	TV	LCD	LCD Size / Visual Size	31.51 inch / 800.4mmV
	System		LCD Type	Color TFT LCD
	-,		Number of Pixels	1366(H) x 768(V)
			Double Scan	No
			View Range Left/Right	89/89 degree
			Up/Down	89/89 degree
			Bright Dot	n≦2
			Zero Bright Dot Ratio	70%
		0.1.0.4	Zero Bright Dot Ratio	
		Color System		NTSC
		Speaker		2 Speaker
			Position	Bottom
			Size	1.6 x 4.8 inch
			Impedance	8 ohm
		Sound Output	Max	5.0W + 5.0W
			10%(Typical)	
G-2	DVD System	Color System		NTSC
		Disc		DVD, CD-DA, CD-R/RW
		2.00		
				DVD-R/RW (Video Format Only)
		Disc Diameter		120 mm
		Drive		DSM-5
		Search speed	Fwd	4 step
		отанон оросо	Actual	4, 8, 16, 32 times (DVD)
			Actual	
				4, 8, 16, 32 times (CD)
			Rev	4 step
			Actual	4, 8, 16, 32 times (DVD)
				4, 8, 16, 32 times (CD)
		Slow speed	Fwd	
		Slow speed		4 step
			Actual	1/16, 1/8, 1/4, 1/2 times
			Rev	4 step
			Actual	1/16, 1/8, 1/4, 1/2 times
G-3	Tuning	Broadcasting System	Analog	US System M
- <b>U</b>	System	oaaoaomig oyotom	Digital	ATSC(8VSB)/QAM
	System			
		Tuner and	System	1Tuner
		Receive CH	Destination	US (W/CABLE)
		CH Coverage		2~69, 4A, A-5~A-1, A~I, J~W, W+1~W+94
		Intermediate Digital		44.00MHz
		-	Distance (ED)	
		Frequency Analog	Picture(FP)	45.75MHz
			Sound(FS)	41.25MHz
			FP-FS	4.50MHz
		Preset CH		No
		Stereo/Dual TV Sound		US-Stereo
<u> </u>		Tuner Sound Muting		Yes
G-4	Signal	Video Signal	Input Level	1 V p-p/75 ohm
			Output Level	
			S/N Ratio (Weighted)	
			Horizontal Resolution at DVD Mode	
			Tronzoniai Propolation at 2 72 mode	
		DCD Cierral	Output Louis	
		RGB Signal	Output Level	
		Audio Signal	Input Level	-8.0dBm/50k ohm
	Ī			
			Output Level at DVD	-12 dBm/ 1k ohm (-20dBFs, 0dBFs=2.0Vrms)
			•	
			at TV	0-600mV /1k ohm
			at TV Digital Output Level	0-600mV /1k ohm 0.5 V p-p/75 ohm
			Digital Output Level S/N Ratio at DVD (Weighted)	0-600mV /1k ohm 0.5 V p-p/75 ohm 85dB
			at TV  Digital Output Level  S/N Ratio at DVD (Weighted)  Harmonic Distortion	0-600mV /1k ohm 0.5 V p-p/75 ohm 85dB 0.02% (1KHz)
			Digital Output Level S/N Ratio at DVD (Weighted)	0-600mV /1k ohm 0.5 V p-p/75 ohm 85dB
			at TV  Digital Output Level  S/N Ratio at DVD (Weighted)  Harmonic Distortion	0-600mV /1k ohm 0.5 V p-p/75 ohm 85dB 0.02% (1KHz)
			at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD	0-600mV /1k ohm 0.5 V p-p/75 ohm 85dB 0.02% (1KHz) 4 Hz - 44 KHz (96KHz)
			at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)
			at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz
<b>G</b> -5	Power	Power Source	at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)
G-5	Power	Power Source	at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz
<del>G</del> -5	Power		at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD  AC	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz  120V, 60Hz
 G-5	Power	Power Source Power Consumption	at TV  Digital Output Level S/N Ratio at DVD (Weighted) Harmonic Distortion Frequency Response: at DVD at Video CD at SVCD at CD  AC DC  at AC	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)    4 Hz - 20 KHz  120V, 60Hz
G-5	Power		at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD  AC DC  at AC at DC	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz  120V, 60Hz   108W at 120V 60Hz
<b>G-</b> 5	Power		at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD  AC DC  AC DC  Stand by (at AC)	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz  120V, 60Hz   108W at 120V 60Hz   0.3W at 120V 60Hz
G-5	Power		at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD  AC DC  at AC at DC	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz  120V, 60Hz   108W at 120V 60Hz
<b>G-5</b>	Power		at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD  AC DC  AC DC  Stand by (at AC)	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz  120V, 60Hz   108W at 120V 60Hz   0.3W at 120V 60Hz
G-5	Power	Power Consumption	at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD  AC DC  AC DC  at AC at DC  Stand by (at AC) Energy Star Per Year	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz  120V, 60Hz   108W at 120V 60Hz   0.3W at 120V 60Hz  Yes  kWh/Year
G-5	Power		at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD  AC DC  at AC DC  Stand by (at AC) Energy Star Per Year  Power Fuse	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz  120V, 60Hz   108W at 120V 60Hz   0.3W at 120V 60Hz  Yes  kWh/Year  Yes
G-5	Power	Power Consumption	at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD  AC DC  AC DC  at AC at DC  Stand by (at AC) Energy Star Per Year  Power Fuse Safety Circuit	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz  120V, 60Hz   108W at 120V 60Hz   0.3W at 120V 60Hz  Yes  kWh/Year  Yes  Yes
		Power Consumption	at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD  AC DC  AC DC  Stand by (at AC) Energy Star Per Year  Power Fuse Safety Circuit IC Protector(Micro Fuse)	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz  120V, 60Hz   108W at 120V 60Hz   0.3W at 120V 60Hz  Yes  kWh/Year  Yes  Yes  Yes
G-5	Power	Power Consumption	at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD  AC DC  AC DC  at AC at DC  Stand by (at AC) Energy Star Per Year  Power Fuse Safety Circuit	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz  120V, 60Hz   108W at 120V 60Hz   0.3W at 120V 60Hz  Yes  kWh/Year  Yes  Yes
		Power Consumption	at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD  AC DC  AC DC  Stand by (at AC) Energy Star Per Year  Power Fuse Safety Circuit IC Protector(Micro Fuse)	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz  120V, 60Hz   108W at 120V 60Hz   0.3W at 120V 60Hz  Yes  kWh/Year  Yes  Yes  Yes
		Power Consumption	at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD  AC DC  AC DC  at AC at DC  Stand by (at AC) Energy Star Per Year  Power Fuse Safety Circuit IC Protector(Micro Fuse)  Safety Radiation	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz  120V, 60Hz   108W at 120V 60Hz   0.3W at 120V 60Hz  Yes  kWh/Year  Yes  Yes  Yes  UL(UL60065_7th)/cUL(CSA E60065_03)  FCC/IC
G-6	Regulation	Power Consumption	at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD  AC DC  AC DC  Stand by (at AC) Energy Star Per Year  Power Fuse Safety Circuit IC Protector(Micro Fuse)  Safety Radiation Laser	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz  120V, 60Hz   108W at 120V 60Hz   0.3W at 120V 60Hz  Yes  kWh/Year  Yes  Yes  UL(UL60065_7th)/cUL(CSA E60065_03) FCC/IC DHHS (IEC60825-1)
		Power Consumption	at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD  AC DC  AC DC  Stand by (at AC) Energy Star Per Year  Power Fuse Safety Circuit IC Protector(Micro Fuse) Safety Radiation Laser Operation	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz  120V, 60Hz   108W at 120V 60Hz   0.3W at 120V 60Hz  Yes  kWh/Year  Yes  Yes  UL(UL60065_7th)/cUL(CSA E60065_03)  FCC/IC  DHHS (IEC60825-1)  +5°C ~ +40°C
G-6	Regulation	Power Consumption	at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD  AC DC  AC DC  Stand by (at AC) Energy Star Per Year  Power Fuse Safety Circuit IC Protector(Micro Fuse)  Safety Radiation Laser  Operation Storage	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz  120V, 60Hz   108W at 120V 60Hz   0.3W at 120V 60Hz  Yes  kWh/Year  Yes  Yes  Yes  UL(UL60065_7th)/cUL(CSA E60065_03) FCC/IC  DHHS (IEC60825-1)  +5°C ~ +40°C  -20°C ~ +60°C
G-6	Regulation	Power Consumption	at TV  Digital Output Level S/N Ratio at DVD (Weighted)  Harmonic Distortion  Frequency Response: at DVD at Video CD at SVCD at CD  AC DC  AC DC  Stand by (at AC) Energy Star Per Year  Power Fuse Safety Circuit IC Protector(Micro Fuse) Safety Radiation Laser Operation	0-600mV /1k ohm  0.5 V p-p/75 ohm  85dB  0.02% (1KHz)  4 Hz - 44 KHz (96KHz)   4 Hz - 20 KHz  120V, 60Hz   108W at 120V 60Hz   0.3W at 120V 60Hz  Yes  kWh/Year  Yes  Yes  UL(UL60065_7th)/cUL(CSA E60065_03)  FCC/IC  DHHS (IEC60825-1)  +5°C ~ +40°C

G-9 Clock and	Clock		No
Timer	Sleep Timer	Max Time	120 Min
Tillie	On Timer	Program	Yes 1Program
	Off Timer		
		Program	No No
	Game Timer	0((14, 1))	
	Timer Back-up (at Po	ower Off Mode) more than	Min Sec
G-10 Remote	Unit		RC-SC
Control	Glow in Dark Remoco	on	No
	Remocon Format		SANYO
	Format		NEC
	Custom Code		38-C7 h
	Power Source	Voltage(D.C)	3V
		UM size x pcs	UM-3 x 2 pcs
	Total Keys	о о о раз	50 Keys
	Keys	POWER	Yes
	Reys	DISPLAY/-	No
		DISPLAY	Yes
		"_"	
			Yes
		TV/DVD	Yes
		EJECT	Yes
		1	Yes
		2	Yes
		3	Yes
		4	Yes
		5	Yes
		6	Yes
		7	Yes
		8	Yes
		9	Yes
		0	Yes
		MUTE	Yes
		SLEEP	Yes
		SETUP/TV MENU	Yes
		DVD MENU	Yes
		ENTER	Yes
		Left	Yes
		Right	Yes
		Up	Yes
		Down	Yes
		CH+	Yes
		CH-	Yes
		VOL+	Yes
		VOL-	Yes
		CH+ / Up	No
		CH- / Down	No
1		VOL+ / Right	No No
		VOL- / Left	No
		EXIT/CANCEL	Yes
1		TOP MENU	Yes
1		SEARCH-	Yes
		PLAY	Yes
		SEARCH+	Yes
1		SKIP-	Yes
		SUBTITLE	Yes
		STOP	Yes
		SKIP+	Yes
		SLOW-	Yes
		PAUSE	Yes
		PLAY MODE	Yes
		SLOW+	Yes
		AUDIO	Yes
		RETURN	Yes
		REPEAT A-B	Yes
1		ANGLE	Yes
		Picture Size	Yes
1		MARKER	Yes
		CCD/JUMP	Yes
		Recall(Quick View)/ZOOM	Yes
		INPUT SELECT	Yes
		FREEZE	No
		FREEZE	INU

G-11	Features	Auto Shut Off		Yes						
[ ''		Auto Sharch		No						
		Power On Memory		Yes						
		Hotel Mode		Yes						
		Comb Filter		Yes						
				<u>3 -D</u>						
		Game Position		No						
		Auto Setup		Yes						
			Language	No						
			TV Location	Yes						
			Signal Type	Yes						
		Picture Setting(TV)	Automatic Search	Yes Yes						
		Picture Setting(TV)	Picture Preference	Yes						
			Brightness , Contrast , Color	Yes						
			Tint	Yes						
			Sharpness	Yes						
			Color Temperature	Yes						
			DNR	Yes						
		-	Backlight	Yes						
		Picture Setting(PC)	<del> </del>	Yes						
			HOR Position , VER Position	Yes						
			Phase, Clock	Yes						
			Red, Green, Blue Auto Adjust	No Yes						
		Audio	MTS	Yes						
		, waio	Equalizer Mode	Yes						
			Tone Control (Bass/Treble/Balance)	Yes						
			Equalizer Setting	Yes						
			Stable Sound	No						
			Surround	Yes						
			Auto Volume(Automatic Volume Control)	Yes						
			BBE	No						
			SRS WOW (SRS 3D/Focus/Tru Bass)	No						
			HDMI Audio Speakers(Variable Audio Out)	Yes Yes						
		Tuning	CH Program							
		runnig	Air/Cable	Yes Yes						
			ADD/DELETE	Yes						
		Label	CH Label	Yes						
			Video Label	Yes						
		Favorite CH		No						
		V-Chip		Yes						
			Туре	USA Type						
		RRT Setup	Hetell sels	Yes						
		Lock	Hotel Lock Channel Lock	No No						
			Video Lock	No No						
			Panel Lock	No						
		Menu Language		English						
		DBC (Dynamic Backlight C	ontrol)	No						
		Dynamic Gamma		Yes						
		Signal Meter (DTV Signal)		Yes						
		Closed Caption		Yes						
		CC Advanced		Yes						
		V-Chip Clear Picture Size		Yes Yes						
		HD Zoom		Yes						
		Film Mode		Yes						
		Aspect		No						
		PFC(Power Factor circuit)		No						
		Freeze frame		No						
		PIP/POP		No						
		Direct Input Selection		Yes						
		PC Plug and Play		No						
		Energy Star LOGO (OSD)		Yes						
		PC Standby Digital Out	Dolby Digital	Yes Yes						
		Digital Out	MPEG	No No						
			PCM	Yes						
			DTS	No						
			-	-						

	PC Monitor Input		Yes
		VGA (640x480)	Yes (60,72,75Hz)
		VGA (720x400)	Yes (70Hz)
		WVGA (848x480)	No
		, ,	
		SVGA (800x600)	Yes (56,60,72,75Hz)
		XGA (1024x768)	Yes (60,70,75Hz)
		WXGA (1280x768)	Yes (60Hz)
		WXGA (1280x720)	Yes (60Hz)
		WXGA (1360x768)	Yes (60Hz)
		SXGA (1280x1024)	No
		WXGA+ (1440x900)	No
		FHD (1920x1080)	No
	HDMI Input	· · · · · · · · · · · · · · · · · · ·	Yes
		VGA (640×480)	Yes (60Hz)
		720×480i (4:3)	Yes (60Hz)
		720×480i (16:9)	Yes (60Hz)
		720×480p (4:3)	Yes (60Hz)
		720×480p (16:9)	Yes (60Hz)
		720×576i (4:3)	No
		720×576i (16:9)	No
		720×576p (4:3)	No
		720×576p (16:9)	No
		1280×720p	Yes (60Hz)
		1920×1080i	Yes (60Hz)
			, ,
		1920×1080p	Yes (60Hz)
		CEC (ORION Standard)	No
		Deep Color	No
		xvYCC	No
	DVI to LIDAN Issued		
	DVI to HDMI Input	VGA (640x480)	Yes (60,72,75Hz)
		VGA (720x400)	Yes (70Hz)
		WVGA (848x480)	No
		SVGA (800x600)	Yes (56,60,72,75Hz)
		XGA (1024x768)	Yes (60,70,75Hz)
		WXGA (1280x768)	Yes (60Hz)
		WXGA (1280x720)	Yes (60Hz)
		WXGA (1360x768)	Yes (60Hz)
		SXGA (1280x1024)	No
		WXGA+ (1440x900)	No
		FHD (1920x1080)	No
	Component Input		Yes
		720×480i (4:3)	Yes (60Hz)
		720×480i (16:9)	Yes (60Hz)
		720×480p (4:3)	Yes (60Hz)
		720×480p (16:9)	Yes (60Hz)
		720×576i (4:3)	No
		720×576i (16:9)	No
		720×576p (4:3)	No
		720×576p (16:9)	No
		1280×720p	Yes (60Hz)
		1920×1080i	Yes (60Hz)
			, ,
		1920×1080p	No
	Wall Mount	Size W x H(mm)	Yes (200 x 100)
		Screw Size	M6 x 10
	Stand	Tilt	No
	Glaria		
	==	Swievel	No
Features	Video CD Playback		No
(DVD)	SVCD Playback		No
	MP3 Playback		Yes
	JPEG		Yes
	WMA		Yes
	Macrovision		Yes (No Video Out)
	Divx Playback		No
		DMF Support	No
	District Out		
	Digital Out	(Dolby Digital)	Yes
		(MPEG)	Yes
		(PCM)	Yes
		(DTS)	No (Possible to output)
		, ,	, , ,
	D	(Dolby Digital)	Yes
	Down Mix Out		The state of the s
	Down Mix Out	(DTS)	No
			No No
	Auto Retract Disc		No
	Auto Retract Disc Closed Caption		No Yes
	Auto Retract Disc Closed Caption Screen Saver	(DTS)	No Yes No
	Auto Retract Disc Closed Caption	(DTS) 4:3 (Letter Box, Pan Scan)	No Yes No Yes
	Auto Retract Disc Closed Caption Screen Saver	(DTS)	No Yes No

	T											
G-12	Accessories	Owner's Manu	ual	Language	English / Spanish							
				w/Guarantee Card	Yes							
		Remote Contr	rol Unit		Yes							
		Rod Antenna		D.I.	No							
				Poles								
				Terminal								
		Loop Antenna	a	Tamainal	No							
		LIA/ Missau		Terminal	Ne							
		U/V Mixer	(01)		No							
		DC Car Cord	, ,		No No							
		Guarantee Ca			No No							
		Warning Shee			No No							
		Circuit Diagra			No No							
		Antenna Char Service Facilit			No							
		Important Safe			No							
		Dew/AHC Cau			No							
		Quick Set-up			No							
		Battery	Sileet		No No							
		battery		UM size x pcs								
				OEM Brand								
		AC Adapter		OLIVI BIAIIU	No No							
		AC Adapter AC Cord (for A	AC Adaptor		No No							
		AC Cord (lor A	no nuapier)		Yes							
		Cable Tie			No							
		AV Cord (2Pir	n-1Pin\		No							
		Registration C	,	ard)	No							
		300 to 75ohm			No No							
		Sheet Informa		Japiei	No No							
		Sheet Informa	. ,		No No							
		Sheet Informa	, ,	1)	Yes							
		Sheet Informa			Yes							
		Sheet Informa			No							
		Sheet Informa		19.19	No							
		Sheet Informa			No							
		Cleaning Clot			No							
		Stand Screw			Yes(5pcs)							
		-										
		Stand Frame Stand			Yes							
G-13	lutaufa a a		C: da	Device (Teet)	Yes Yes							
G-13	Interface	Switch	Side	Power (Tact)								
				Channel Up/Menu Up/Play Channel Down/Menu Down/Stop	Yes Yes							
				Channel Down/Nienu Down/Stop								
				Volume Up/Menu >	Yes							
				Volume Up/Menu > Volume Down/Menu <	Yes Yes							
				Volume Up/Menu >  Volume Down/Menu <  Menu	Yes Yes Yes							
				Volume Up/Menu > Volume Down/Menu < Menu Play	Yes Yes Yes No (CH+ Alternative)							
				Volume Up/Menu > Volume Down/Menu < Menu Play Eject	Yes Yes Yes No (CH+ Alternative) Yes							
				Volume Up/Menu > Volume Down/Menu < Menu Play Eject Skip+, Search+	Yes Yes Yes No (CH+ Alternative) Yes No							
				Volume Up/Menu > Volume Down/Menu < Menu Play Eject Skip+, Search+ Skip-, Search-	Yes Yes Yes No (CH+ Alternative) Yes No No							
				Volume Up/Menu > Volume Down/Menu < Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause	Yes Yes Yes No (CH+ Alternative) Yes No No No							
				Volume Up/Menu > Volume Down/Menu < Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop	Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No No No (CH- Alternative)							
				Volume Up/Menu > Volume Down/Menu < Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW	Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No No No (CH- Alternative) No							
			Door	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Stil/Pause Stop Main Power SW Input Select/Enter	Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No No No Yes							
		India	Rear	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW	Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No No Vo (CH- Alternative) No Yes No							
		Indicator	Rear	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By	Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No (CH- Alternative) No Yes No Yes							
		Indicator	Rear	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By	Yes Yes Yes No (CH+ Alternative) Yes No No No No No No (CH- Alternative) No Yes No Yes Red Blinking)							
		Indicator	Rear	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By Power Wake Up	Yes Yes Yes No (CH+ Alternative) Yes No No No No No No (CH- Alternative) No Yes No Yes Red Blinking) No							
				Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By Power Wake Up On Timer	Yes Yes Yes No (CH+ Alternative) Yes No No No No No No (CH- Alternative) No Yes No Yes (Green / Red) Yes (Red Blinking) No No							
		Indicator	Rear	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By Power Wake Up On Timer Video Input 1	Yes Yes Yes No (CH+ Alternative) Yes No No No No No No (CH- Alternative) No Yes No Yes No Yes Red Blinking) No No RCA x 1							
				Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By PC Stand-By Power Wake Up On Timer Video Input 1 Audio Input 1	Yes Yes Yes No (CH+ Alternative) Yes No No No No No No (CH- Alternative) No Yes No Yes No Yes Red Blinking) No No RCA x 1 RCA x 2(L/MONO, R)							
				Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Stil/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By POwer Wake Up On Timer Video Input 1 Audio Input 1 S - Input 1	Yes Yes Yes No (CH+ Alternative) Yes No No No No No No (CH- Alternative) No Yes No Yes  No Yes Red Blinking) No No RCA x 1 RCA x 2(L/MONO, R) No							
				Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By Power Wake Up On Timer Video Input 1 Audio Input 1 B - Input 1 HDMI Input 1	Yes Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No (CH- Alternative) No Yes No Yes No Yes (Green / Red) Yes (Red Blinking) No No RCA x 1 RCA x 2(L/MONO, R) No Yes							
				Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By PC Stand-By Power Wake Up On Timer Video Input 1 Audio Input 1 S - Input 1 HDMI Input 1 Analog Audio	Yes Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No (CH- Alternative) No Yes No Yes No Yes Red Blinking) No No RCA x 1 RCA x 2(L/MONO, R) No Yes PC Audio Input Alternative							
				Volume Up/Menu >  Volume Down/Menu <  Menu  Play  Eject  Skip+, Search+  Skip-, Search- Still/Pause  Stop  Main Power SW  Input Select/Enter  Main Power SW  Power/Stand-By PC Stand-By PC Stand-By Power Wake Up On Timer  Video Input 1  Audio Input 1  S - Input 1  HDMI Input 2	Yes Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No (CH- Alternative) No Yes No Yes No Yes And Yes (Green / Red) Yes (Red Blinking) No No RCA x 1 RCA x 2(L/MONO, R) No Yes PC Audio Input Alternative Yes							
				Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By PC Stand-By Power Wake Up On Timer Video Input 1 Audio Input 1 S - Input 1 HDMI Input 1 Analog Audio HDMI Input 2 Analog Audio	Yes Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No (CH- Alternative) No Yes No Yes  No Yes (Green / Red) Yes (Red Blinking) No No RCA x 1 RCA x 2(L/MONO, R) No Yes PC Audio Input Alternative Yes No							
				Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By PC Stand-By Power Wake Up On Timer Video Input 1 Audio Input 1 S - Input 1 HDMI Input 1 Analog Audio HDMI Input 2 Analog Audio VHF/UHF Antenna Input	Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No (CH- Alternative) No Yes No Yes No Yes And Yes (Green / Red) Yes (Red Blinking) No No RCA x 1 RCA x 2(L/MONO, R) No Yes PC Audio Input Alternative Yes No F Type							
		Terminals	Side	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By POwer Wake Up On Timer Video Input 1 Audio Input 1 S - Input 1 HDMI Input 1 Analog Audio HDMI Input 2 Analog Audio VHF/UHF Antenna Input USB (Software Update)	Yes Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No (CH- Alternative) No Yes No Yes No Yes (Green / Red) Yes (Red Blinking) No No RCA x 1 RCA x 2(L/MONO, R) No Yes PC Audio Input Alternative Yes No F Type Yes							
				Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By PC Stand-By Power Wake Up On Timer Video Input 1 Audio Input 1 S - Input 1 HDMI Input 1 Analog Audio HDMI Input 2 Analog Audio VHF/UHF Antenna Input USB (Software Update) Video Input 2	Yes							
		Terminals	Side	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By PC Stand-By PO N Timer Video Input 1 Audio Input 1 S - Input 1 HDMI Input 1 Analog Audio HDMI Input 2 Analog Audio VHF/UHF Antenna Input USB (Software Update) Video Input 2 Audio Input 2	Yes Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No (CH- Alternative) No Yes No Yes No Yes (Green / Red) Yes (Red Blinking) No No RCA x 1 RCA x 2(L/MONO, R) No Yes PC Audio Input Alternative Yes No F Type Yes							
		Terminals	Side	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By PC Stand-By Power Wake Up On Timer Video Input 1 Audio Input 1 S - Input 1 HDMI Input 1 Analog Audio HDMI Input 2 Analog Audio VHF/UHF Antenna Input USB (Software Update) Video Input 2	Yes Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No No (CH- Alternative) No Yes No Yes No Yes (Green / Red) Yes (Red Blinking) No No No RCA x 1 RCA x 2(L/MONO, R) No Yes PC Audio Input Alternative Yes RCA x 1 RCA x 2(L/MONO, R) No F Type Yes RCA x 1 RCA x 2(L/MONO, R) No RCA x 1 RCA x 2(L/MONO, R)							
		Terminals	Side	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By PC Stand-By PO N Timer Video Input 1 Audio Input 1 S - Input 1 HDMI Input 1 Analog Audio HDMI Input 2 Analog Audio VHF/UHF Antenna Input USB (Software Update) Video Input 2 Audio Input 2	Yes Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No (CH- Alternative) No Yes No Yes No Yes (Green / Red) Yes (Red Blinking) No No RCA x 1 RCA x 2(L/MONO, R) No Yes PC Audio Input Alternative Yes No F Type Yes RCA x 1 RCA x 2(L/MONO, R)							
		Terminals	Side	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By PC Stand-By Power Wake Up On Timer Video Input 1 Audio Input 1 S - Input 1 HDMI Input 1 Analog Audio HDMI Input 2 Analog Audio VHF/UHF Antenna Input USB (Software Update) Video Input 2 Audio Input 2 Audio Input 2 Audio Input 2 S - Input 2 Video Output Audio Output Audio Output	Yes Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No No (CH- Alternative) No Yes No Yes No Yes (Green / Red) Yes (Red Blinking) No No No RCA x 1 RCA x 2(L/MONO, R) No Yes PC Audio Input Alternative Yes RCA x 1 RCA x 2(L/MONO, R) No F Type Yes RCA x 1 RCA x 2(L/MONO, R) No RCA x 1 RCA x 2(L/MONO, R)							
		Terminals	Side	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Stil/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By PC Stand-By Power Wake Up On Timer Video Input 1 Audio Input 1 S - Input 1 HDMI Input 1 Analog Audio HDMI Input 2 Analog Audio VHF/UHF Antenna Input USB (Software Update) Video Input 2 Audio Input 2 S - Input 2 Video Input 2 Audio Input 2 Video Input 2 Video Output	Yes Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No No (CH- Alternative) No Yes No Yes (Green / Red) Yes (Red Blinking) No No No RCA x 1 RCA x 2(L/MONO, R) No Yes PC Audio Input Alternative Yes RCA x 1 RCA x 2(L/MONO, R) No F Type Yes RCA x 1 RCA x 2(L/MONO, R) No							
		Terminals	Side	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By PC Stand-By Power Wake Up On Timer Video Input 1 Audio Input 1 S - Input 1 HDMI Input 1 Analog Audio HDMI Input 2 Analog Audio VHF/UHF Antenna Input USB (Software Update) Video Input 2 Audio Input 2 Audio Input 2 Audio Input 2 S - Input 2 Video Output Audio Output Audio Output	Yes Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No No (CH- Alternative) No Yes No Yes No Yes (Green / Red) Yes (Red Blinking) No No No RCA x 1 RCA x 2(L/MONO, R) No Yes PC Audio Input Alternative Yes RCA x 1 RCA x 2(L/MONO, R) No F Type Yes RCA x 1 RCA x 2(L/MONO, R) No RCA x 1 RCA x 2(L/MONO, R) No RCA x 1 RCA x 2(L/MONO, R) No RCA x 2 (Variable) (L, R)							
		Terminals	Side	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By PC Stand-By Power Wake Up On Timer Video Input 1 Audio Input 1 S - Input 1 HDMI Input 1 Analog Audio HDMI Input 2 Analog Audio VHF/UHF Antenna Input USB (Software Update) Video Input 2 Audio Input 2 Audio Input 2 Audio Input 2 S - Input 2 Video Output Audio Output Component Input 1	Yes Yes Yes Yes No (CH+ Alternative) Yes No No No No No No No No (CH- Alternative) No Yes No Yes No Yes (Green / Red) Yes (Red Blinking) No No RCA x 1 RCA x 2(L/MONO, R) No Yes PC Audio Input Alternative Yes No F Type Yes RCA x 1 RCA x 2(L/MONO, R) No RCA x 1 RCA x 2(L/MONO, R) No F Type Yes RCA x 1 RCA x 2(L/MONO, R) No RCA x 2 (Variable) (L, R) RCA x 3							
		Terminals	Side	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By PC Stand-By Power Wake Up On Timer Video Input 1 Audio Input 1 S - Input 1 HDMI Input 2 Analog Audio VHF/UHF Antenna Input USB (Software Update) Video Input 2 Audio Input 2 Audio Input 2 Audio Input 2 S - Input 2 Video Output Audio Output Component Input 1 Analog Audio Component Input 1 Analog Audio Component Input 1 Analog Audio	Yes           Yes           Yes           No (CH+ Alternative)           No           No           No (CH- Alternative)           No           Yes           No           Yes (Green / Red)           Yes (Red Blinking)           No           No           RCA x 1           RCA x 2(L/MONO, R)           No           Yes           PC Audio Input Alternative           Yes           No           F Type           Yes           RCA x 1           RCA x 2(L/MONO, R)           No           No           RCA x 2 (L/MONO, R)           No           RCA x 2 (Variable) (L, R)           RCA x 3           Video Input 2 Audio Input Alternative							
		Terminals	Side	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By PC Stand-By PON Timer Video Input 1 Audio Input 1 S - Input 1 HDMI Input 2 Analog Audio VHF/UHF Antenna Input USB (Software Update) Video Input 2 Audio Input 2 Audio Input 2 Audio Input 2 S - Input 2 Video Output Audio Output Component Input 1 Analog Audio Component Input 2	Yes           Yes           Yes           No (CH+ Alternative)           No           No           No (CH- Alternative)           No           Yes           No           Yes (Green / Red)           Yes (Red Blinking)           No           No           RCA x 1           RCA x 2(L/MONO, R)           No           Yes           PC Audio Input Alternative           Yes           No           F Type           Yes           RCA x 1           RCA x 2(L/MONO, R)           No           No           RCA x 2 (L/MONO, R)           No           RCA x 2 (Variable) (L, R)           RCA x 3           Video Input 2 Audio Input Alternative							
		Terminals	Side	Volume Up/Menu >  Volume Down/Menu <  Menu Play Eject Skip+, Search+ Skip-, Search- Still/Pause Stop Main Power SW Input Select/Enter Main Power SW Power/Stand-By PC Stand-By PC Stand-By Power Wake Up On Timer Video Input 1 Audio Input 1 S - Input 1 HDMI Input 1 Analog Audio HDMI Input 2 Analog Audio VHF/UHF Antenna Input USB (Software Update) Video Input 2 Audio Input 2 S - Input 2 Video Output Audio Output Component Input 1 Analog Audio Component Input 2 Analog Audio Component Input 2 Analog Audio	Yes           Yes           Yes           No (CH+ Alternative)           No           No           No (CH- Alternative)           No           Yes           No           Yes (Green / Red)           Yes (Red Blinking)           No           RCA x 1           RCA x 2(L/MONO, R)           No           Yes           PC Audio Input Alternative           Yes           No           F Type           Yes           RCA x 1           RCA x 2 (L/MONO, R)           No           No           RCA x 2 (Variable) (L, R)           RCA x 3           Video Input 2 Audio Input Alternative           No           No							

			Analog Audio	Mini Pin Jack(φ3.5), STEREO						
			Digital Audio Output	Coaxial						
			DC Jack (Center +)	No						
			Video Input 3	No						
			Audio Input 3	No						
			S - Input 3	No						
			Other Terminal	No						
			AC Inlet	Yes						
			USB (JPEG/MP3/Software Update)	No						
G-14	Set Size		Approx. W x D x H (mm)	760.0 x 213.3 x 554.5						
0-17	OCT GIZE		w/o Handle, Stand Approx. W x D x H (mm)	760.0 x 81.0 x 505.0						
G-15	Weight		Net (Approx.)	8.9kg (19.6lbs)						
			Net w/o Handle, Stand (Approx.)	8.3kg (18.3lbs)						
			Gross (Approx.)	12.1kg (26.7lbs)						
			Gross w/Master Carton (Approx.)	kg ( lbs)						
G-16	Carton	Master Car		No						
G-10	Carton	Master Oar	Content	Sets						
			Material	/						
			Dimensions W x D x H(mm)							
			Description of Origin							
		Gift Box	Material	Double/White						
		OIII DOX	W/Color Photo Label	No No						
			W/Handle	No						
			Dimensions W x D x H(mm)	850 x 176 x 600						
			Description of Origin	No 1 Corner / 3 Edges / 6 Surfaces						
		Drop Test	Description of Origin							
		Diop rest	Height (cm)	62						
		Container	Stuffing (40' container)	546 Sets/40' container						
		w/Pallet	numing (40 container)	No						
		w/Wrapping	1	No						
G-17	Material	Cabinet	Front	ABS 94HB						
0-17	Material	Odbinet	Rear	PS 94V0 NON-DECABROM						
			Stand	PS 94HB						
			Jack Panel							
		PCB	Non-Halogen Demand	No No						
		FCB	Eyelet Demand	No Yes						
G-18	Environment	Environmor	ntal standard requirement	Green procurement of SANYO						
9-16	Environment	Pb-free	itai stanuaru requirement	Phase3(Phase3A)						
		ru-liee	Measures for Whisker	Yes						
		Rohs	IVICASUIES IUI VVIIISKEI	Yes						
Щ	I	Kuns		162						

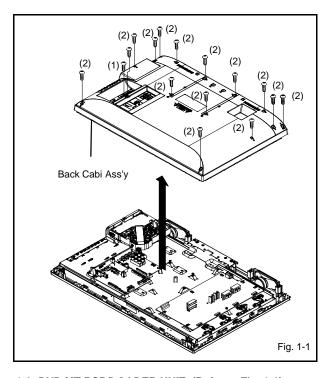
### 1. REMOVAL OF MECHANICAL PARTS AND P.C. BOARDS

#### **CAUTION**

Be careful not to remove the FFC cable forcibly, because the FFC cable may be damaged.

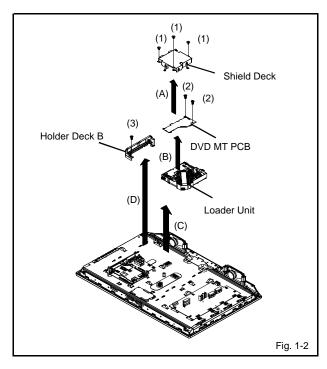
#### 1-1: BACK CABI ASS'Y (Refer to Fig. 1-1)

- 1. Remove the screw (1)
- 2. Remove the 15 screws (2)
- 3. Remove the Back Cabi Ass'y in the direction of arrow.



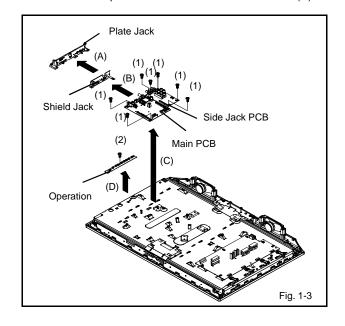
#### 1-2: DVD MT PCB/LOADER UNIT (Refer to Fig. 1-2)

- Disconnect the following connectors: (CP2301, CP2302, CP2303, CP8501 and CP8502).
- 2. Remove the 3 screws (1).
- 3. Remove the Shield Deck in the direction of arrow (A).
- 4. Remove the 2 screws (2).
- 5. Remove the DVD MT PCB in the direction of arrow (B).
- 6. Remove the Loader Unit in the direction of arrow (C).
- 7. Remove the screw (3).
- 8. Remove the Holder Deck B in the direction of arrow (D).



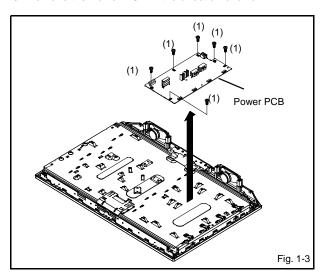
### 1-3: MAIN PCB /SIDE JACK PCB/OPERATION PCB (Refer to Fig. 1-3)

- 1. Remove the 7 screws (1).
- 2. Remove the Plate Jack in the direction of arrow (A).
- 3. Remove the Shield Jack in the direction of arrow (B).
- Disconnect the following connectors: (CP301, CP2201, CP2202, CP2806, CP3003, CP4202 and CP4204.
- 5. Remove the Main PCB and Side Jack PCB in the direction of arrow (C).
- 6. Remove the screw (2).
- 7. Remove the Operation PCB in the direction of arrow (D).



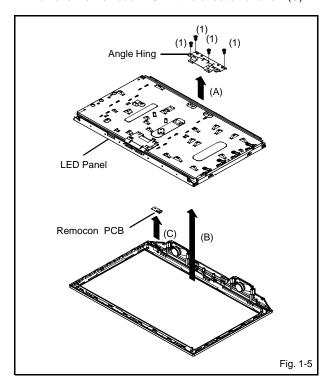
#### 1-4: POWER PCB (Refer to Fig. 1-4)

- 1. Remove the 6 screws (1)
- 2. Disconnect the following connectors: (CP7001, CP7002, CP7003 and CP7004).
- 3. Remove the Power PCB in the direction of arrow.



#### 1-5: LED PANEL/REMOCON PCB (Refer to Fig. 1-5)

- Remove the 4 screws (1).
   Remove the Angle Hing in the direction of arrow (A).
- 3. Remove the LED Panel in the direction of arrow (B).
- 4. Remove the Remocon PCB in the direction of arrow (C).



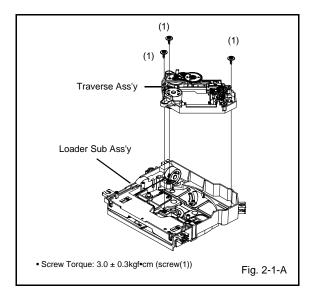
#### 2. REMOVAL OF DVD DECK PARTS

#### NOTE

 Disassemble only the DVD DECK PARTS parts listed here. Minute adjustments are needed if the disassembly is done. If the repair is needed except listed parts, replace the DVD MECHA ASS'Y.

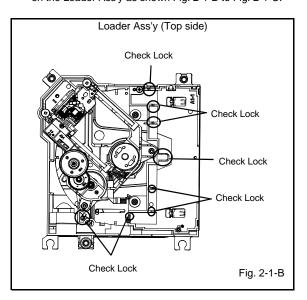
### 2-1: TRAVERSE ASS'Y/LOADER SUB ASS'Y (Refer to Fig. 2-1-A)

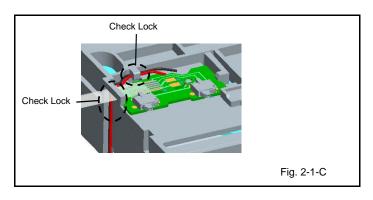
- 1. Remove the 3 screws (1).
- 2. Remove the Traverse Ass'y.



#### NOTE

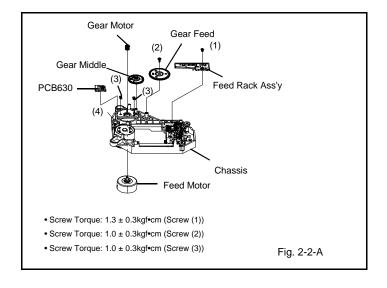
1. In case of the Traverse Ass'y installation, hook the wire on the Loader Ass'y as shown Fig. 2-1-B to Fig. 2-1-C.





#### 2.2: FEED RACK ASS'Y/GEAR FEED/GEAR MOTOR/ GEAR MIDDLE/FEED MOTOR/PCB630 (Refer to Fig. 2-2-A)

- 1. Remove the screw (1).
- 2. Remove the Feed Rack Ass'y.
- 3. Remove the screw (2).
- 4. Remove the Gear Feed.
- 5. Remove the Gear Middle.
- 6. Remove the Gear Motor.
- 7. Remove the 2 screws (3).
- 8. Remove the Feed Motor.
- 9. Unlock the support (4).
- 10. Remove the PCB630.

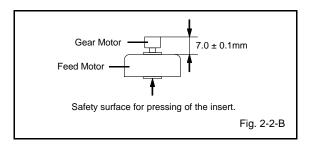


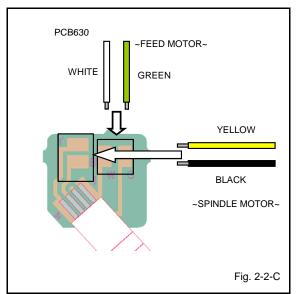
#### NOTE

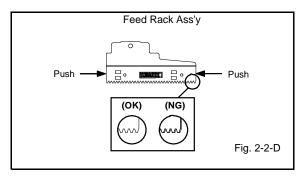
- In case of the Gear Motor installation, check if the value of the Fig. 2-2-B is correct.
- When installing the wire of the PCB630 install it correctly as Fig. 2-2-C.

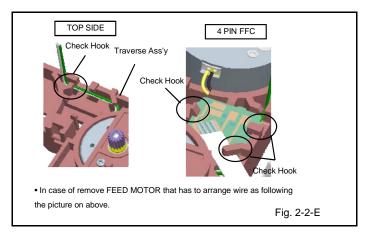
Manual soldering conditions

- Soldering temperature: 350 ± 5°C
- Soldering time: Within 4 seconds
- Soldering combination: Sn-3.0Ag-0.5Cu
- 3. When installing the Feed Rack Ass'y, push both ends to align the teeth as shown Fig. 2-2-D. Then install it.
- After the assembly of the Traverse Ass'y, hook the wire on the Traverse Ass'y as shown Fig. 2-2-E.



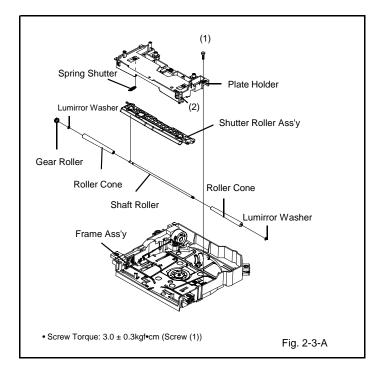






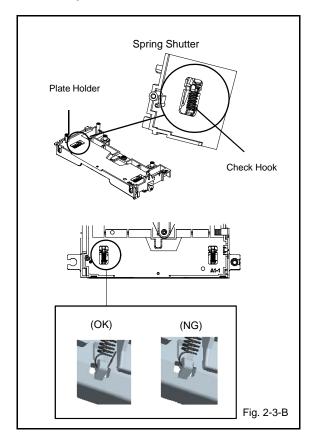
# 2.3: SPRING SHUTTER/PLATE HOLDER/SHUTTER ROLLER ASS'Y/ROLLER ASS'Y/GEAR ROLLER/LUMIRROR WASHER/ ROLLER CONE/SHAFT ROLLER (Refer to Fig. 2-3-A)

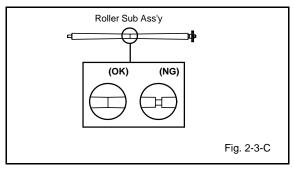
- 1. Remove the Spring Shutter.
- 2. Remove the screw (1).
- 3. Unlock the support (2).
- 4. Remove the Plate Holder.
- 5. Remove the Shutter Roller Ass'y.
- 6. Remove the Roller Ass'y .
- 7. Remove the Gear Roller.
- 8. Remove the Lumirror Washer.
- 9. Remove the Roller Cone.
- 10. Remove the Shaft Roller.

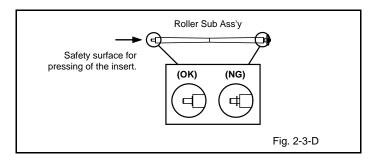


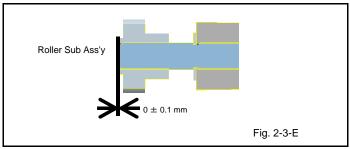
#### NOTE

- In case of the Shutter Roller Ass'y installation, check if the value of the Fig. 2-3-B is correct.
- In case of the Roller Cone installation, install correctly as Fig. 2-3-C.
- 3. In case of the Lumirror Washer installation, install correctly as Fig. 2-3-D.
- 4. In case of the Gear Roller installation, check if the value of the Fig. 2-3-E is correct.

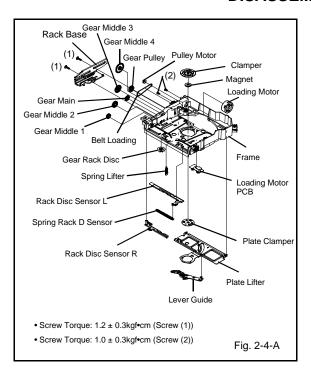








- 2.4: RACK BASE/GEAR MIDDLE4/BELT LOADING/GEAR PULLEY/
  GEAR MIDDLE3/GEAR MAIN/GEAR MIDDLE1/GEAR MIDDLE2/
  LOADING MOTOR/PULLEY MOTOR/CLAMPER/MAGNET/
  PLATE CLAMPER/SPRING LIFTER/PLATE LIFTER/LEVER GUIDE/
  LOADING MOTOR PCB/RACK DISC SENSOR R/RACK DISC
  SENSOR L/SPRING RACK D SENSOR/GEAR RACK DISC
  (Refer to Fig. 2-4-A)
- 1. Remove the 2 screws (1).
- 2. Remove the Rack Base.
- 3. Remove the Gear Middle 4.
- 4. Remove the Belt Loading.
- 5. Remove the Gear Pulley.
- 6. Remove the Gear Middle 3.
- 7. Remove the Gear Main.8. Remove the Gear Middle 1.
- 9. Remove the Gear Middle 2.
- 10. Remove the 2 screws (2).
- 11. Remove the Loading Motor.
- 12. Remove the Pulley Motor.
- 13. Remove the Clamper.
- 14. Remove the Magnet.
- 15. Remove the Plate Clamper.
- 16. Remove the Spring Lifter.
- 17. Remove the Plate Lifter.
- 18. Remove the Lever Guide.
- 19. Remove the Loading Motor PCB.
- 20. Remove the Rack Disc Sensor R.
- 21. Remove the Rack Disc Sensor L.
- 22. Remove the Spring Rack D Sensor.
- 23. Remove the Gear Rack Disc.

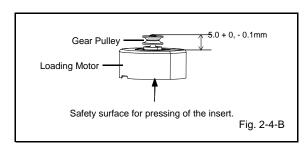


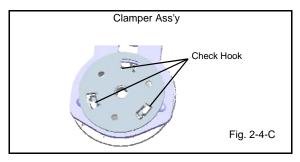
#### NOTE

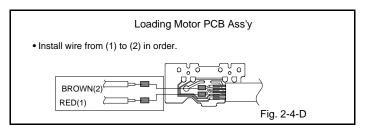
- In case of the Gear Pulley installation, check if the value of the Fig. 2-4-B is correct.
- 2. In case of the Clamper Ass'y installation, check if the value of the Fig. 2-4-C is correct.
- 3. When installing the wire of the Loading Motor PCB Ass'y, install it correctly as Fig. 2-4-D.

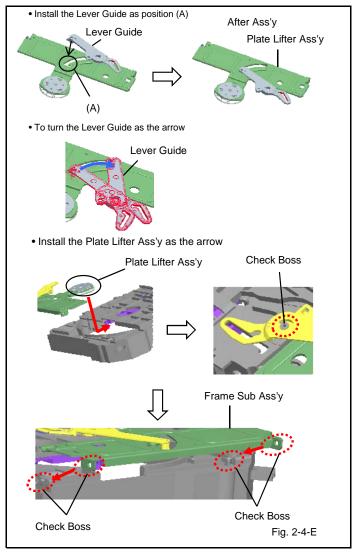
Manual soldering conditions

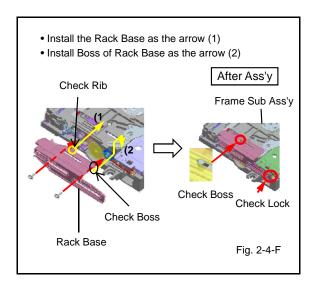
- Soldering temperature: 350 ± 5°C
- Soldering time: Within 4 seconds
- Soldering combination: Sn-3.0Ag-0.5Cu
- 4. In case of the Plate Lifter Ass'y installation, install correctly as Fig. 2-4-E.
- In case of the Rack Base installation, install correctly as Fig. 2-4-F.









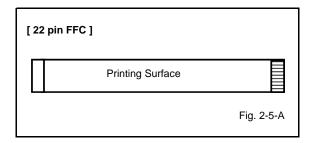


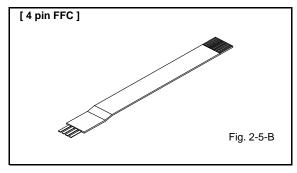
#### 2-5: FFC WIRE HANDLING

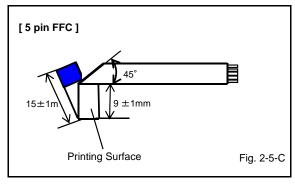
1. When installing the FFC, fold it correctly and install it as shown from Fig. 2-5-A to Fig. 2-5-C.

#### NOTE

1. Do not make the folding lines except the specified positions for the FFC.







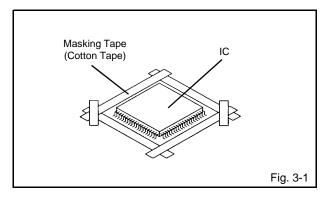
### 3. REMOVAL AND INSTALLATION OF FLAT PACKAGE IC

#### **REMOVAL**

 Put Masking Tape (cotton tape) around the Flat Package IC to protect other parts from any damage. (Refer to Fig. 3-1.)

#### **NOTE**

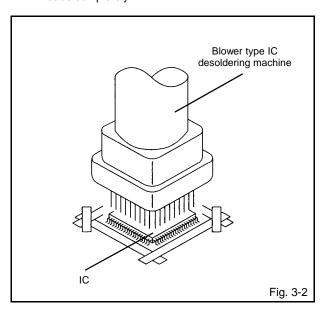
Masking is carried out on all the parts located within 10 mm distance from IC leads.



2. Heat the IC leads using a blower type IC desoldering machine. (Refer to Fig. 3-2.)

#### **NOTE**

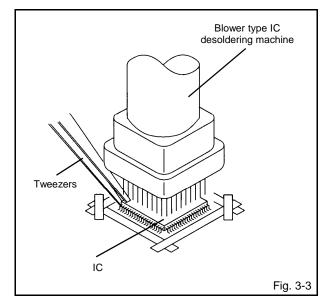
Do not rotate or move the IC back and forth , until IC can move back and forth easily after desoldering the leads completely.



 When IC starts moving back and forth easily after desoldering completely, pickup the corner of the IC using tweezers and remove the IC by moving with the IC desoldering machine. (Refer to Fig. 3-3.)

#### **NOTE**

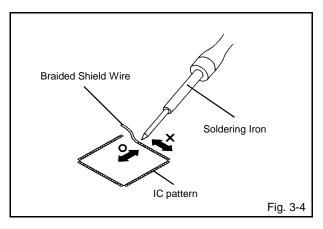
Some ICs on the PCB are affixed with glue, so be careful not to break or damage the foil of each IC leads or solder lands under the IC when removing it.



- 4. Peel off the Masking Tape.
- Absorb the solder left on the pattern using the Braided Shield Wire. (Refer to Fig. 3-4.)

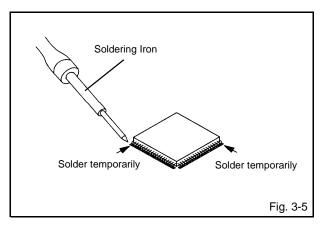
#### **NOTE**

Do not move the Braided Shield Wire in the vertical direction towards the IC pattern.

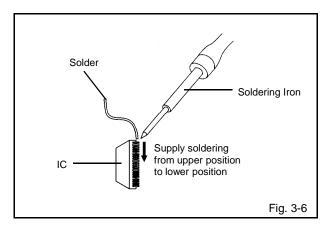


#### **INSTALLATION**

 Take care of the polarity of new IC and then install the new IC fitting on the printed circuit pattern. Then solder each lead on the diagonal positions of IC temporarily. (Refer to Fig. 3-5.)



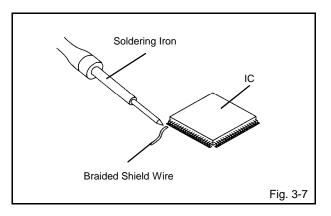
Supply the solder from the upper position of IC leads sliding to the lower position of the IC leads. (Refer to Fig. 3-6.)



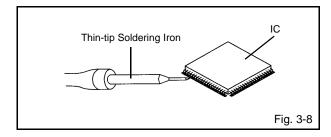
3. Absorb the solder left on the lead using the Braided Shield Wire. (Refer to Fig. 3-7.)

#### NOTE

Do not absorb the solder to excess.



4. When bridge-soldering between terminals and/or the soldering amount are not enough, resolder using a Thintip Soldering Iron. (Refer to Fig. 3-8.)



5. Finally, confirm the soldering status on four sides of the IC using a magnifying glass.
Confirm that no abnormality is found on the soldering position and installation position of the parts around the IC. If some abnormality is found, correct by resoldering.

#### **NOTE**

When the IC leads are bent during soldering and/or repairing, do not repair the bending of leads. If the bending of leads are repaired, the pattern may be damaged. So, always be sure to replace the IC in this case.

#### **SERVICE MODE LIST**

This unit is provided with the following SERVICE MODES so you can repair, examine and adjust easily.

To enter to the SERVICE MODE function, press and hold both buttons simultaneously on the main unit and on the remote control for more than a the standard time in the appropriate condition. (See below chart.)

Set Condition	Set Key	Remocon Key	Standard Time	Operations
TV mode	VOL. DOWN (Minimum)	0	2 sec.	Releasing of V-CHIP PASSWORD.
TV mode	VOL. DOWN (Minimum)	1	2 sec.	Initialization of factory TV data.  NOTE: If you set factory initialization, the memories are reset such as the channel setting, and the POWER ON total hours.
DVD mode (No disc)	VOL. DOWN (Minimum)	4	2 sec.	Initialization of factory DVD data.
ALL mode	VOL. DOWN (Minimum)	6	2 sec.	POWER ON total hours are displayed on the screen. Can be checked of the INITIAL DATA of MEMORY IC. Refer to the "WHEN REPLACING EEPROM (MEMORY) IC".
TV mode	VOL. DOWN (Minimum)	8	2 sec.	Check of the SUM DATA and MICON VERSION on the screen. Refer to the "WHEN REPLACING EEPROM (MEMORY) IC".
ALL mode	VOL. DOWN (Minimum)	9	2 sec.	Display of the Adjustment MENU on the screen. Refer to the "ELECTRICAL ADJUSTMENT" (On-Screen Display Adjustment).
DVD mode (No disc)	STOP	1	2 sec.	Check of the firmware version. Refer to the "RE-WRITE FOR DVD FIRMWARE". NOTE: Do not use this for normal servicing.
DVD mode (No disc)	STOP	7	2 sec.	Releasing of PARENTAL LOCK. Refer to the "PARENTAL CONTROL - RATING LEVEL".
POWER ON	VOL. DOWN (Minimum)	MENU	2 sec.	Releasing of HOTEL MODE FUNCTION Refer to the "HOTEL MODE FUNCTION".

#### WHEN REPLACING EEPROM (MEMORY) IC

#### CONFIRMATION OF CHECK SUM, POWER ON TOTAL HOURS AND MICON VERSION

Initial total of MEMORY IC, POWER ON total hours and MICON VERSIONcan be checked on the screen. Total hours are displayed in 16 system of notation.

NOTE: If you set a factory initialization, the total hours is reset to "0".

Please refer to "CONFIRMATION OF INITIAL DATA" when SUM DATA is not corresponding.

- 1. Turn on the POWER, and set to the ALL mode.
- 2. Set the VOLUME to minimum.
- 3. Press both VOL. DOWN button on the set and Channel button (8) on the remote control for more than 2 seconds.
- 4. After the confirmation of each check sum, turn off the power.

NOTE: The each item value might be different according to each set.

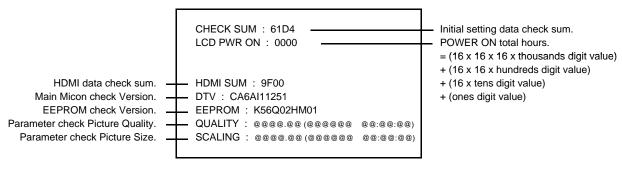


FIG. 1

#### **CONFIRMATION OF INITIAL DATA**

If a service repair is undertaken where it has been required to change the MEMORY IC, the following steps should be taken to ensure correct data settings while making reference to INITIAL SETTING TABLE (Attached "INITIAL DATA").

- 1. Turn on the POWER, and set to the ALL mode.
- 2. Set the VOLUME to minimum.
- 3. Press both VOL. DOWN button on the set and Channel button (6) on the remote control for more than 2 seconds. ADDRESS and DATA should appear as FIG 2.

**NOTE:** No need to set data other position than 0200~0F79.

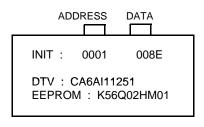


FIG. 2

- 4. ADDRESS is now selected and should "blink". Using the UP/DOWN buton on the remote, step through the ADDRESS until required ADDRESS to be changed is reached.
- 5. Press LEFT/RIGHT button to select DATA. When DATA is selected, it will "blink".
- 6. Again, step through the DATA using UP/DOWN button until required DATA value has been selected.
- 7. Pressing LEFT/RIGHT button will take you back to ADDRESS for further selection if necessary.
- 8. Repeat steps 4 to 6 until all data has been checked.
- 9. When satisfied correct DATA has been entered, turn POWER off (return to STANDBY MODE) to finish DATA input.

#### After the data input, set to the initializing of shipping.

- 10. Turn on the Power.
- 11. Set the VOLUME to minimum.
- 12. Press both VOL. DOWN button on the set and Channel button (1) on the remote control for more than 2 seconds.
- 13. After the finishing of the initializing of shipping, the unit will turn off automatically.

The unit will now have the correct DATA for the new MEMORY IC.

#### 1. ADJUSTMENT PROCEDURE

Read and perform these adjustments when repairing the circuits or replacing electrical parts or PCB assemblies.

#### **CAUTION**

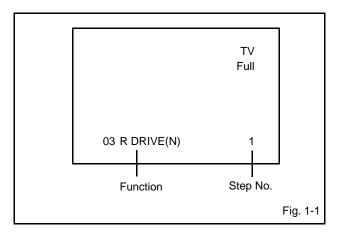
- Use an isolation transformer when performing any service on this chassis.
- When removing a PCB or related component, after unfastening or changing a wire, be sure to put the wire back in its original position.
- When you exchange IC and Transistor with a heat sink, apply silicon grease (YG6260M) on the contact section of the heat sink. Before applying new silicon grease, remove all the old silicon grease. (Old grease may cause damages to the IC and Transistor).

Prepare the following measurement tools for electrical adjustments.

1. Pattern Generator

#### **On-Screen Display Adjustment**

- 1. Set the VOLUME to minimum.
- Press the VOL. DOWN button on the set and the channel button (9) on the remote control for more than 2 seconds to display adjustment mode on the screen as shown in Fig. 1-1.



- Use the CH. UP/DOWN button or Channel button (0-9) on the remote control to select the options shown in Fig. 1-2.
- 4. Press the SETUP/TV MENU button on the remote control to end the adjustments.
- To display the adjustment screen for TV, AV, COMPONENT, HDMI, PC and DVD mode, press the INPUT SELECT button on the remote control.
- 6. Receive the DIGITAL broadcasting.
- 7. To display the adjustment screen for DTV mode, select the digital channel.
- 8. Press the VOL.DOWN button on the set and the channel **(9)** on the remote control for more than 2 seconds.

	FUNCTION		FUNCTION
03	R DRIVE(N)	35	TINT
04	R CUTOFF(N)	36	SHARP H1 MAX
	- \ /	-	SHARP H1 MIN
	G CUTOFF(N)	38	SHARP H2 MAX
07	B DRIVE(N)	39	SHARP H2 MIN
80	B CUTOFF(N)	40	SHARP H3 MAX
09	R DRIVE(C)	41	SHARP H3 MIN
10	R CUTOFF(C)	42	SHARP H4 MAX
11	G DRIVE(C)	43	SHARP H4 MIN
12	G CUTOFF(C)	44	SHARP H5 MAX
13	B DRIVE(C)	45	SHARP H5 MIN
14	B CUTOFF(C)	46	SHARP V1 MAX
15	R DRIVE(W)	47	SHARP V1 MIN
16	R CUTOFF(W)	48	SHARP V2 MAX
17	G DRIVE(W)	49	SHARP V2 MIN
18	G CUTOFF(W)	50	CONTRAST CENTER
19	B DRIVE(W)	51	CONTRAST MAX
20	B CUTOFF(W)	52	CONTRAST MIN
29	BAK LIGHT CENT	53	COLOR CENTER
30	BAK LIGHT MAX	54	COLOR MAX
31	BAK LIGHT MIN	55	COLOR MIN
32	BRIGHTNESS CENT	58	CONTRAST 40
33	BRIGHTNESS MAX		
34	BRIGHTNESS MIN		F: 4.0
			Fig. 1-2

#### 2. BASIC ADJUSTMENTS

#### 2-1: WHITE BALANCE

- 1. Place the set in Aging Test for more than 15 minutes.
- Receive the gray scale pattern from the Pattern Generator.
- 3. Press the INPUT SELECT button on the remote control to set to the AV mode.
- 4. Using the remote control, set the brightness and contrast to normal position.
- Activate the adjustment mode display of Fig. 1-2 and press the channel button (03) on the remote control to select "R DRIVE(N)".
- Press the CH. UP/DOWN button on the remote control to select the "R CUTOFF(N)", "B DRIVE(N)",
   "B CUTOFF(N)", "R DRIVE(C)", "R CUTOFF(C)",
   "B DRIVE(C)", "B CUTOFF(C)", "R DRIVE(W)",
   "R CUTOFF(W), "B DRIVE(W)" or "B CUTOFF(W)".
- 7. Adjust the LEFT/RIGHT button on the remote control to whiten the R DRIVE(N), R CUTOFF(N), B DRIVE(N), B CUTOFF(N), R DRIVE(C), R CUTOFF(C), B DRIVE(C), B CUTOFF(C), R DRIVE(W), R CUTOFF(W), B DRIVE(W) and B CUTOFF(W) at each step tone sections equally.
- 8. Perform the above adjustments 6 and 7 until the white color is achieved.

#### 2-2: BRIGHTNESS CENT

- 1. Place the set in Aging Test for more than 15 minutes.
- 2. Receive the color bar pattern. (RF Input)
- Using the remote control, set the brightness and contrast to normal position.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (32) on the remote control to select "BRIGHTNESS CENT".
- Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "126".
- 6. Check if the picture is normal.
- 7. Receive the color bar pattern. (VIDEO Input)
- Using the remote control, set the brightness and contrast to normal position.
- Press the INPUT SELECT button on the remote control to set to the AV mode.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (32) on the remote control to select "BRIGHTNESS CENT".
- Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "126".
- 12. Check if the picture is normal.
- 13. Playback the DVD(480i) disc. (COMPONENT Input)
- 14. Using the remote control, set the brightness and contrast to normal position.
- 15. Press the INPUT SELECT button on the remote control to set to the COMPONENT mode.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (32) on the remote control to select "BRIGHTNESS CENT".
- 17. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "126".
- 18. Check if the picture is normal.
- 19. Playback the DVD(480i) disc. (HDMI Input)
- 20. Using the remote control, set the brightness and contrast to normal position.
- 21. Press the INPUT SELECT button on the remote control to set to the HDMI mode.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (32) on the remote control to select "BRIGHTNESS CENT".
- Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "134".
- 24. Check if the picture is normal.
- 25. Playback the DVD(480i) disc.
- 26. Press the INPUT SELECT button on the remote control to set to the DVD mode.
- 27. Using the remote control, set the brightness and contrast to normal position.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (32) on the remote control to select "BRIGHTNESS CENT".
- Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "126".
- 30. Check if the picture is normal.

#### 2-3: CONTRAST MAX

- 1. Place the set in Aging Test for more than 15 minutes.
- 2. Receive the color bar pattern. (RF Input)
- 3. Using the remote control, set the brightness and contrast to normal position.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (51) on the remote control to select "CONTRAST MAX".
- 5. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "187".
- 6. Check if the picture is normal.
- 7. Receive the color bar pattern. (VIDEO Input)
- 8. Using the remote control, set the brightness and contrast to normal position.
- Press the INPUT SELECT button on the remote control to set to the AV mode.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (51) on the remote control to select "CONTRAST MAX".
- 11. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "141".
- 12. Check if the picture is normal.
- 13. Playback the DVD(480i) disc. (COMPONENT Input)
- 14. Using the remote control, set the brightness and contrast to normal position.
- 15. Press the INPUT SELECT button on the remote control to set to the COMPONENT mode.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (51) on the remote control to select "CONTRAST MAX".
- 17. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "153".
- 18. Check if the picture is normal.
- 19. Playback the DVD(480i) disc. (HDMI Input)
- 20. Using the remote control, set the brightness and contrast to normal position.
- 21. Press the INPUT SELECT button on the remote control to set to the HDMI mode.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (51) on the remote control to select "CONTRAST MAX".
- 23. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "150".
- 24. Check if the picture is normal.
- 25. Playback the DVD(480i) disc.
- 26. Press the INPUT SELECT button on the remote control to set to the DVD mode.
- 27. Using the remote control, set the brightness and contrast to normal position.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (51) on the remote control to select "CONTRAST MAX".
- 29. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "141".
- 30. Check if the picture is normal.

#### 2-4: CONTRAST CENTER

- 1. Place the set in Aging Test for more than 15 minutes.
- 2. Receive the color bar pattern. (RF Input)
- Using the remote control, set the brightness and contrast to normal position.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (50) on the remote control to select "CONTRAST CENTER".
- Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "144".
- 6. Check if the picture is normal.
- 7. Receive the color bar pattern. (VIDEO Input)
- Using the remote control, set the brightness and contrast to normal position.
- Press the INPUT SELECT button on the remote control to set to the AV mode.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (50) on the remote control to select "CONTRAST CENTER".
- Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "108".
- 12. Check if the picture is normal.
- 13. Playback the DVD(480i) disc. (COMPONENT Input)
- Using the remote control, set the brightness and contrast to normal position.
- 15. Press the INPUT SELECT button on the remote control to set to the COMPONENT mode.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (50) on the remote control to select "CONTRAST CENTER".
- 17. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "153".
- 18. Check if the picture is normal.
- 19. Playback the DVD(480i) disc. (HDMI Input)
- 20. Using the remote control, set the brightness and contrast to normal position.
- 21. Press the INPUT SELECT button on the remote control to set to the HDMI mode.
- 22. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(50)** on the remote control to select "CONTRAST CENTER".
- Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "150".
- 24. Check if the picture is normal.
- 25. Playback the DVD(480i) disc.
- Press the INPUT SELECT button on the remote control to set to the DVD mode.
- Using the remote control, set the brightness and contrast to normal position.
- 28. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(50)** on the remote control to select "CONTRAST CENTER".
- 29. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "141".
- 30. Check if the picture is normal.

#### 2-5: CONTRAST 40

- 1. Place the set in Aging Test for more than 15 minutes.
- 2. Receive the color bar pattern. (RF Input)
- 3. Using the remote control, set the brightness and contrast to normal position.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (58) on the remote control to select "CONTRAST 40".
- 5. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "173".
- 6. Check if the picture is normal.
- 7. Receive the color bar pattern. (VIDEO Input)
- 8. Using the remote control, set the brightness and contrast to normal position.
- Press the INPUT SELECT button on the remote control to set to the AV mode.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (58) on the remote control to select "CONTRAST 40".
- 11. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "131".
- 12. Check if the picture is normal.
- 13. Playback the DVD(480i) disc. (COMPONENT Input)
- 14. Using the remote control, set the brightness and contrast to normal position.
- 15. Press the INPUT SELECT button on the remote control to set to the COMPONENT mode.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (58) on the remote control to select "CONTRAST 40".
- 17. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "142".
- 18. Check if the picture is normal.
- 19. Playback the DVD(480i) disc. (HDMI Input)
- 20. Using the remote control, set the brightness and contrast to normal position.
- 21. Press the INPUT SELECT button on the remote control to set to the HDMI mode.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (58) on the remote control to select "CONTRAST 40".
- 23. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "139".
- 24. Check if the picture is normal.
- 25. Playback the DVD(480i) disc.
- 26. Press the INPUT SELECT button on the remote control to set to the DVD mode.
- 27. Using the remote control, set the brightness and contrast to normal position.
- Activate the adjustment mode display of Fig. 1-1 and press the channel button (58) on the remote control to select "CONTRAST 40".
- 29. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "131".
- 30. Check if the picture is normal.

2-4: Confirmation of Fixed Value (Step No.)
Please check if the fixed values of each of the adjustment item is set correctly referring below. (TV/AV/COMPONENT/HDMI/PC/DVD/DTV)

		TV	A'	V		C	OMPONE	NT				Н	OMI			PC/HD	MI-DVI	DVD				PC						DTV		
NO.	FUNCTION	1 V	CVBS	Y/C	480i	480p	720p	1080i	1080p	VGA	480i	480p	720p	1080i	1080p	VGA	XGA	טעט	640x480	720x400	800x600	1024x768	1280x768	1280x720	1360x768	480i	480p	720p	1080i	1080p
		Step No.	Step	No.			Step No.					Step	o No.			Step	No.	Step No.	Step No.			Ste	ep No.					Step No.		
3	R DRIVE (N)	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	R CUTOFF (N)	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	G DRIVE (N)	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	G CUTOFF (N)	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	B DRIVE (N)	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	B CUTOFF (N)	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9	R DRIVE (C)	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	R CUTOFF (C)	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11	G DRIVE (C)	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	G CUTOFF (C)	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	B DRIVE (C)	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14	B CUTOFF (C)	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15	R DRIVE (W)	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16	R CUTOFF (W)	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17	G DRIVE (W)	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	G CUTOFF (W)	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	B DRIVE (W)	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	B CUTOFF (W)	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29	BAK LIGHT CENT	54	54	-	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
30	BAK LIGHT MAX	100	100	-	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
31	BAK LIGHT MIN	15	15	-	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
32	BRIGHT CENT	126	126	-	126	126	126	126	126	134	134	134	134	134	134	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126
33	BRIGHT MAX	200	200	-	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
34	BRIGHT MIN	30	30	-	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
35	TINT	45	41	-	41	41	41	41	41	41	41	41	41	41	41	50	50	50	50	50	50	50	50	50	50	43	43	43	43	43
36	SHARP H1 MAX	255	255	-	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
37	SHARP H1 MIN	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	SHARP H2 MAX	255	255	-	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
39	SHARP H2 MIN	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	SHARP H3 MAX	255	255	-	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
41	SHARP H3 MIN	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	SHARP H4 MAX	255	255	-	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
43	SHARP H4 MIN	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	SHARP H5 MAX	255	255	-	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
45	SHARP H5 MIN	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	SHARP V1 MAX	255	255	-	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
47	SHARP V1 MIN	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	SHARP V2 MAX	255	255	-	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
49	SHARP V2 MIN	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	CONTRAST CENTER	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
51	CONTRAST MAX	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
52	CONTRAST MIN	60	60	-	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
53	COLOR CENTER	183	215	-	200	200	200	200	200	200	200	200	200	200	200	183	183	200	183	183	183	183	183	183	183	200	200	200	200	200
54	COLOR MAX	255	255	-	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
55	COLOR MIN	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	CONTRAST 40	*	*		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

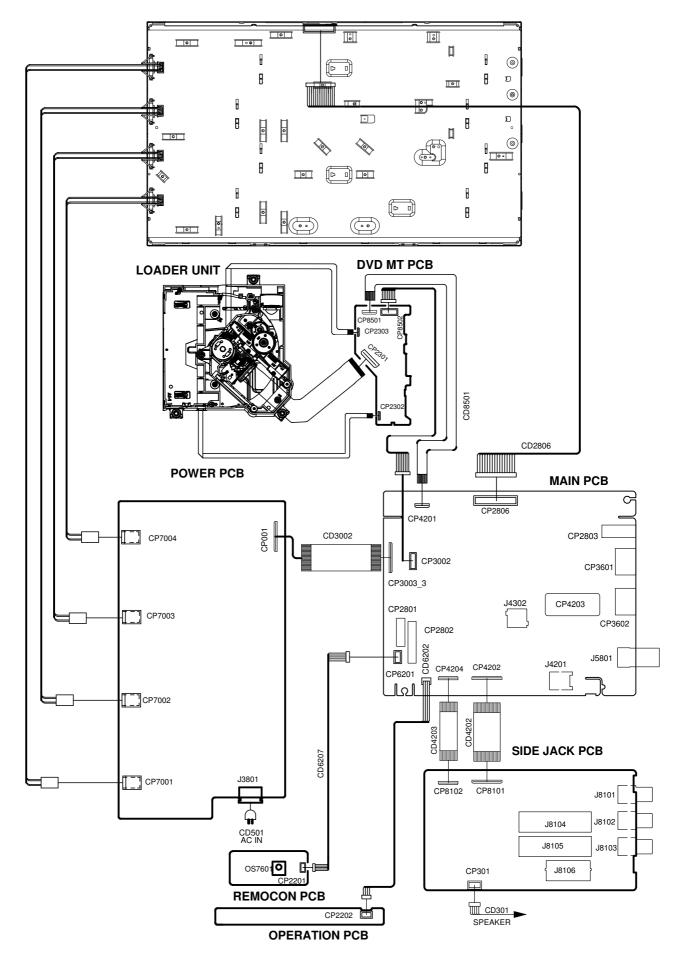
**NOTE:** For the step no. with \* mark, please adjust it according to the situation of the set.

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#### **ELECTRICAL ADJUSTMENTS**

#### 3. ELECTRICAL ADJUSTMENT PARTS LOCATION GUIDE (WIRING CONNECTION)

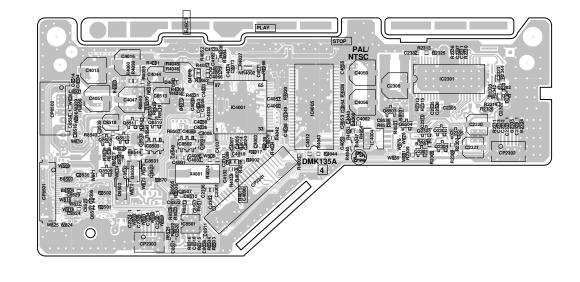
**LCD PANEL** 



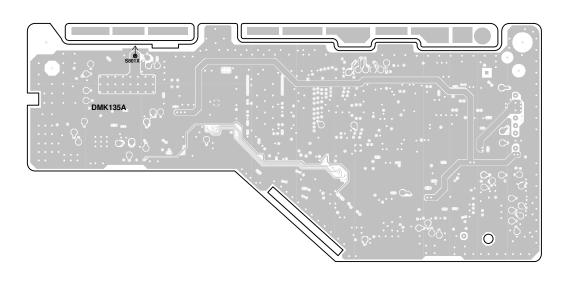
# **BLOCK DIAGRAM** <Main PCB> DVD MT1389K (MediaTek) DSM-5 DDR2 SDRAM HYNIX w/o USB Time Shift Model : 512Mbit w/ USB Time Shift Model :1Gbit <Remocon PCB> DVD\_Power DISC IN UART Remocon 受信部 LCD PANEL(T-CON Less Panel/ w/T-CON SPDIF SW TC7PA53FU(T5L,F,T) (東芝) Panel)> 26W, 32W, 42WLCD用 mini LVDS OUT / LVDS S/PDIF OUT EEPROM (DTV-C8) DTV-C8 Silicon Tuner [MxL301RF] (Maxlinear) 32Kbit Renesas (WXGA~FHD、T-CON内蔵: R8A66983BG) HDMI SW IT6633E-P (ITE Tech) TMDS HDMI IN 1 HDMI HDMI IN 2 HDMI2 BCKO LRCKO ADATAO0 ACLK HDMI IN 3 HDMI3 (Option) EEPROM (PC EDID) DA\_ROUT Analog Audio Out DA\_LOUT D9, A12, B12, B14, B15 USB (Time Shift, UPDATE) Audio SW (4入力1出力) AV SW1 TC74VHC4052AFTELKM <Jack PCB> AV1 CVBS IN V Sound AMP AV2 CVBS IN V 品番:STA333W13TR(ST Micro) Component IN Y U V Component\_YUV L (R) AUDIO OUT(VARIABLE) AV1 AUDIO IN L R AV2/COMPONENT AUDIO IN(L)(R)=

# PRINTED CIRCUIT BOARDS

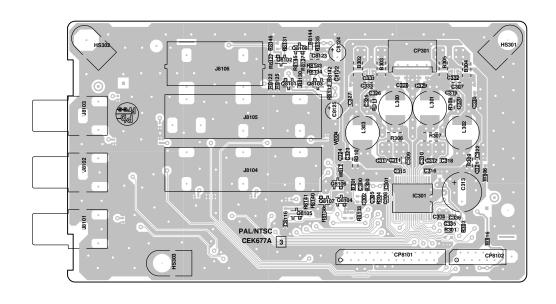
DVD MT (TOP SIDE)



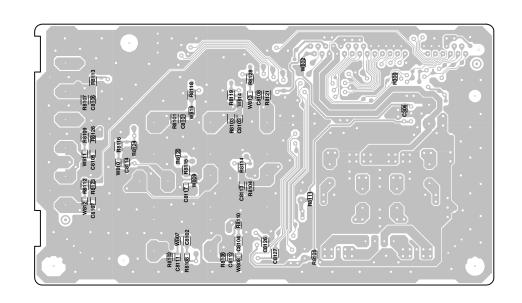
DVD MT (BOTTOM SIDE)



SIDE JACK (TOP SIDE)



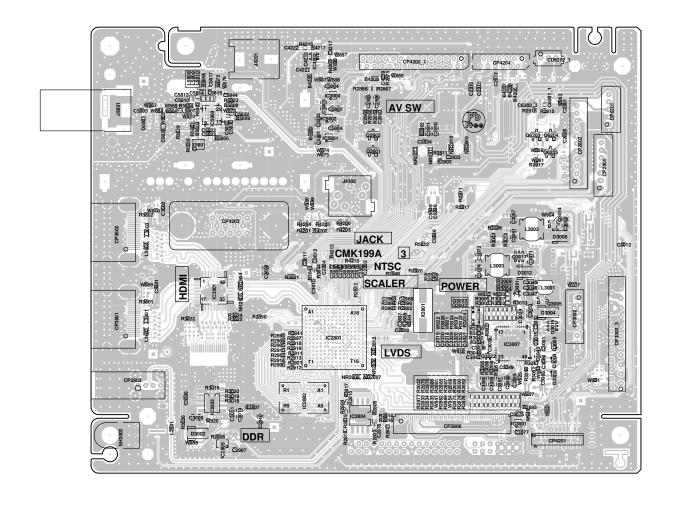
SIDE JACK (BOTTOM SIDE)

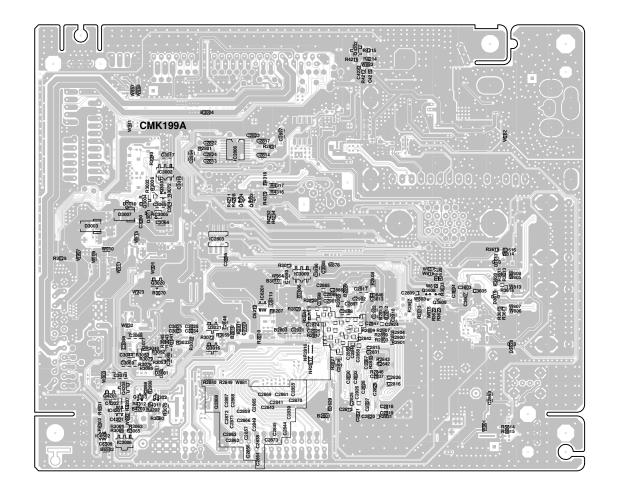


# PRINTED CIRCUIT BOARDS

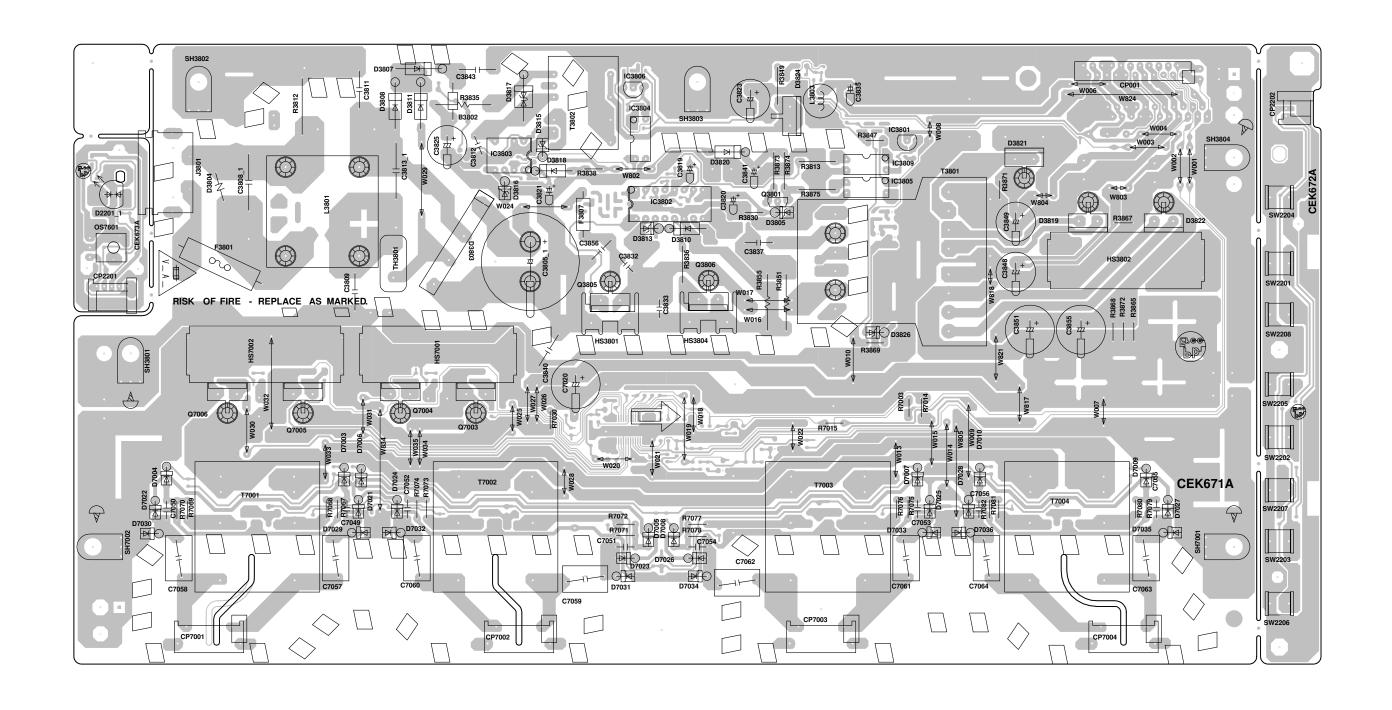
# MAIN (TOP SIDE)

# MAIN (BOTTOM SIDE)



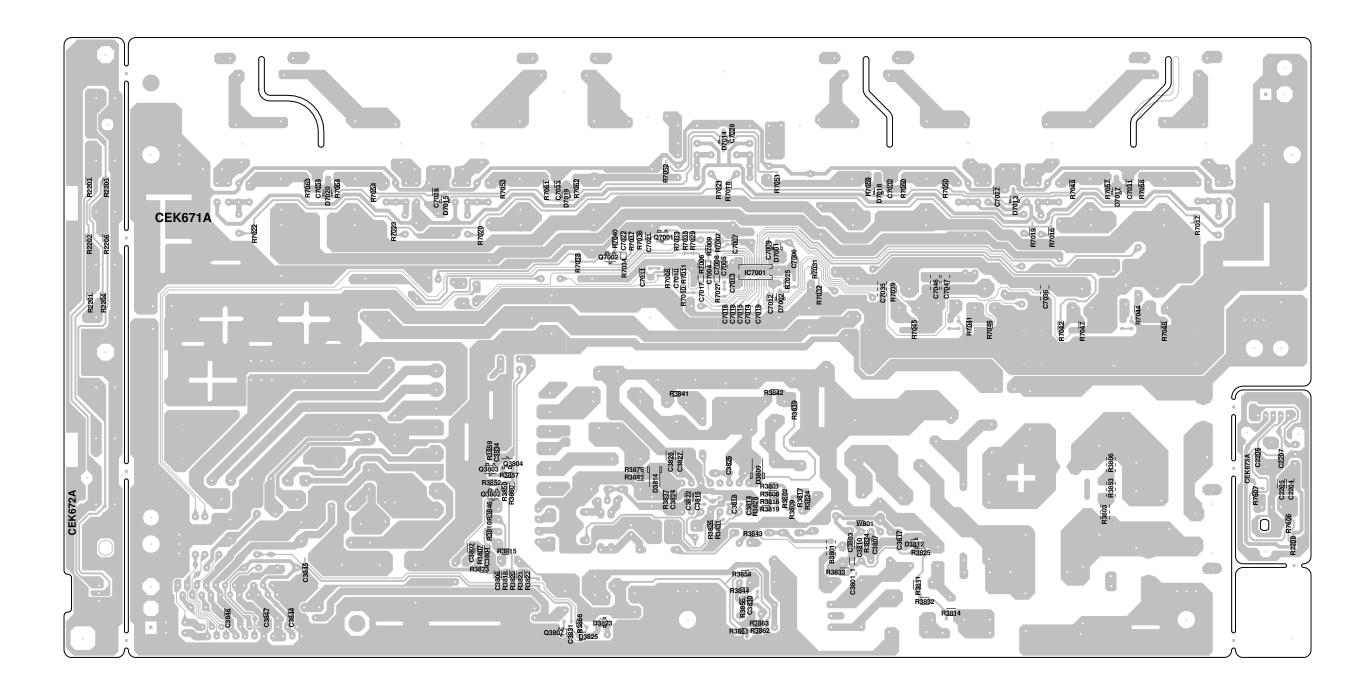


# PRINTED CIRCUIT BOARDS POWER/REMOCON/OPERATION (INSERTED PARTS) SOLDER SIDE

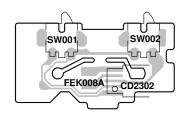


F-5 F-6

# PRINTED CIRCUIT BOARDS POWER/REMOCON/OPERATION (CHIP MOUNTED PARTS) SOLDER SIDE

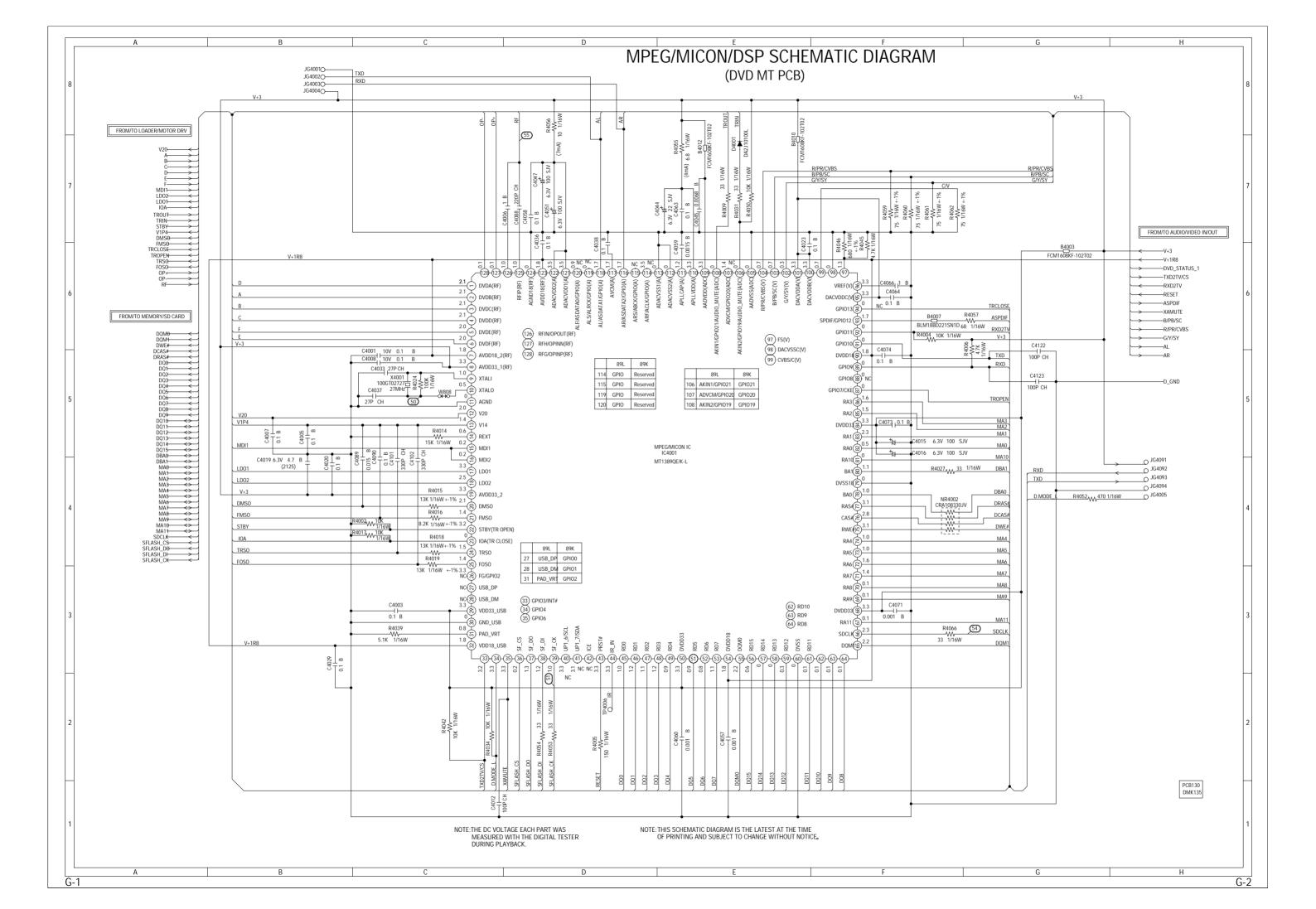


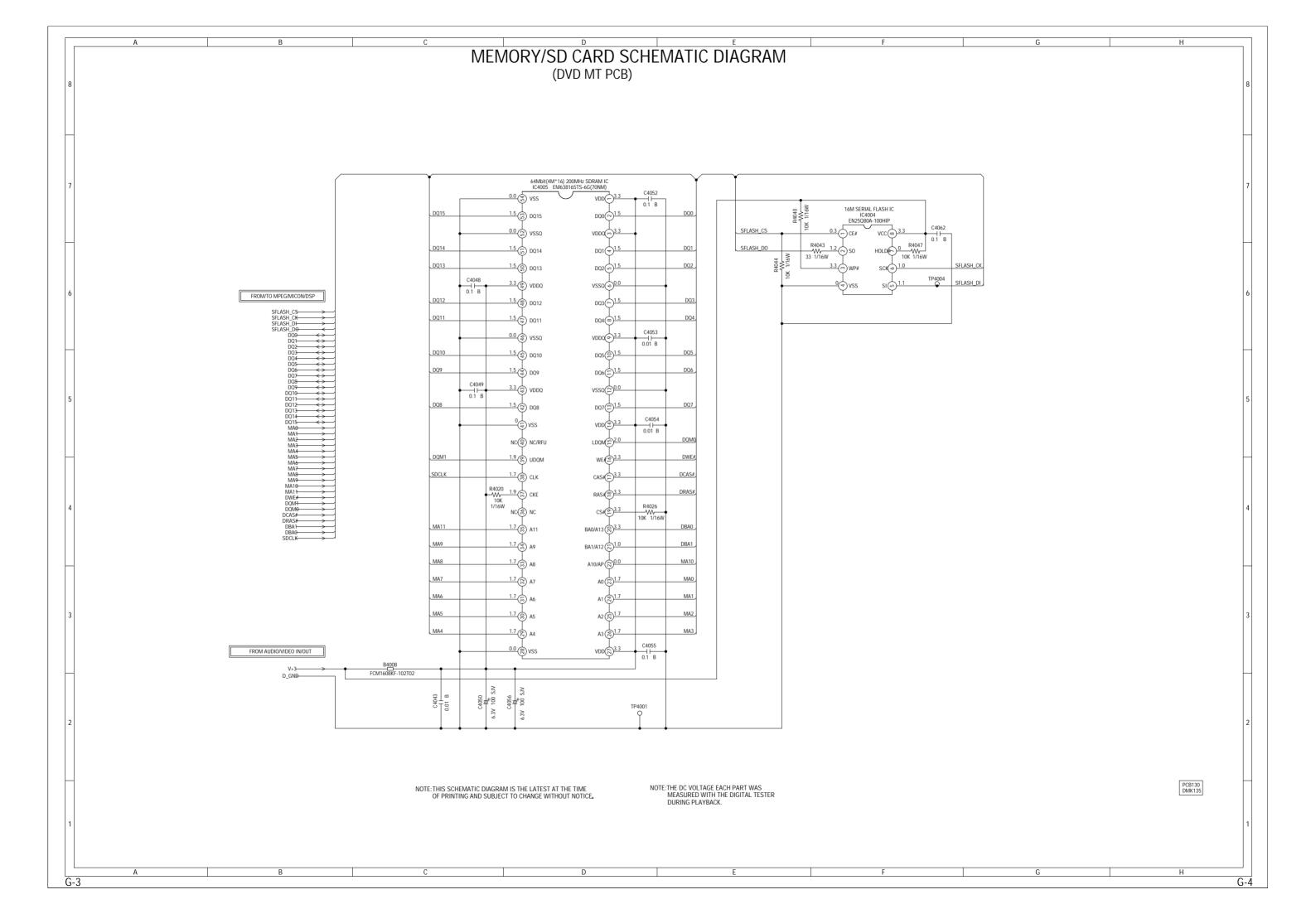
# LOADING MOTOR (CHIP MOUNTED PARTS) SOLDER SIDE

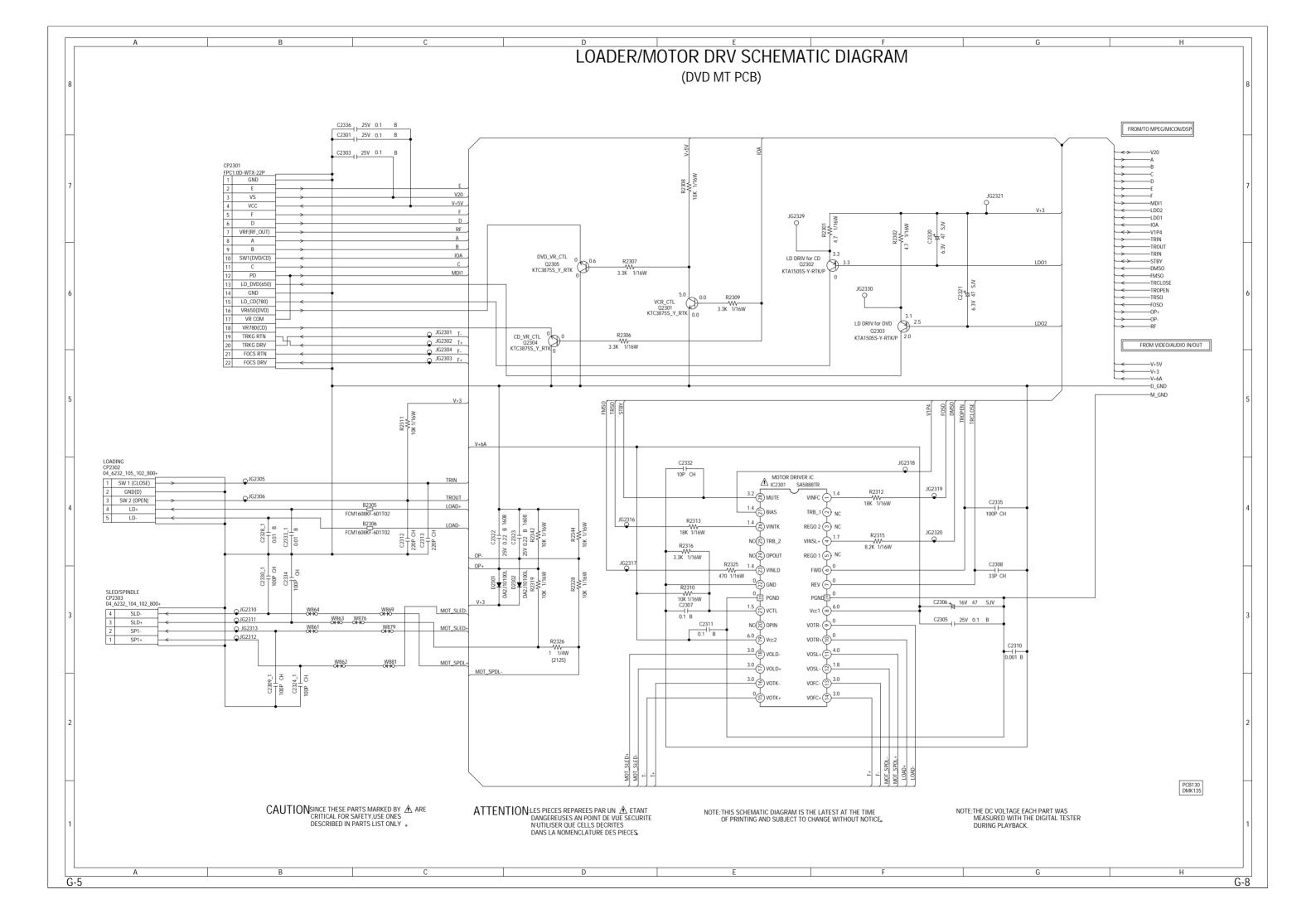


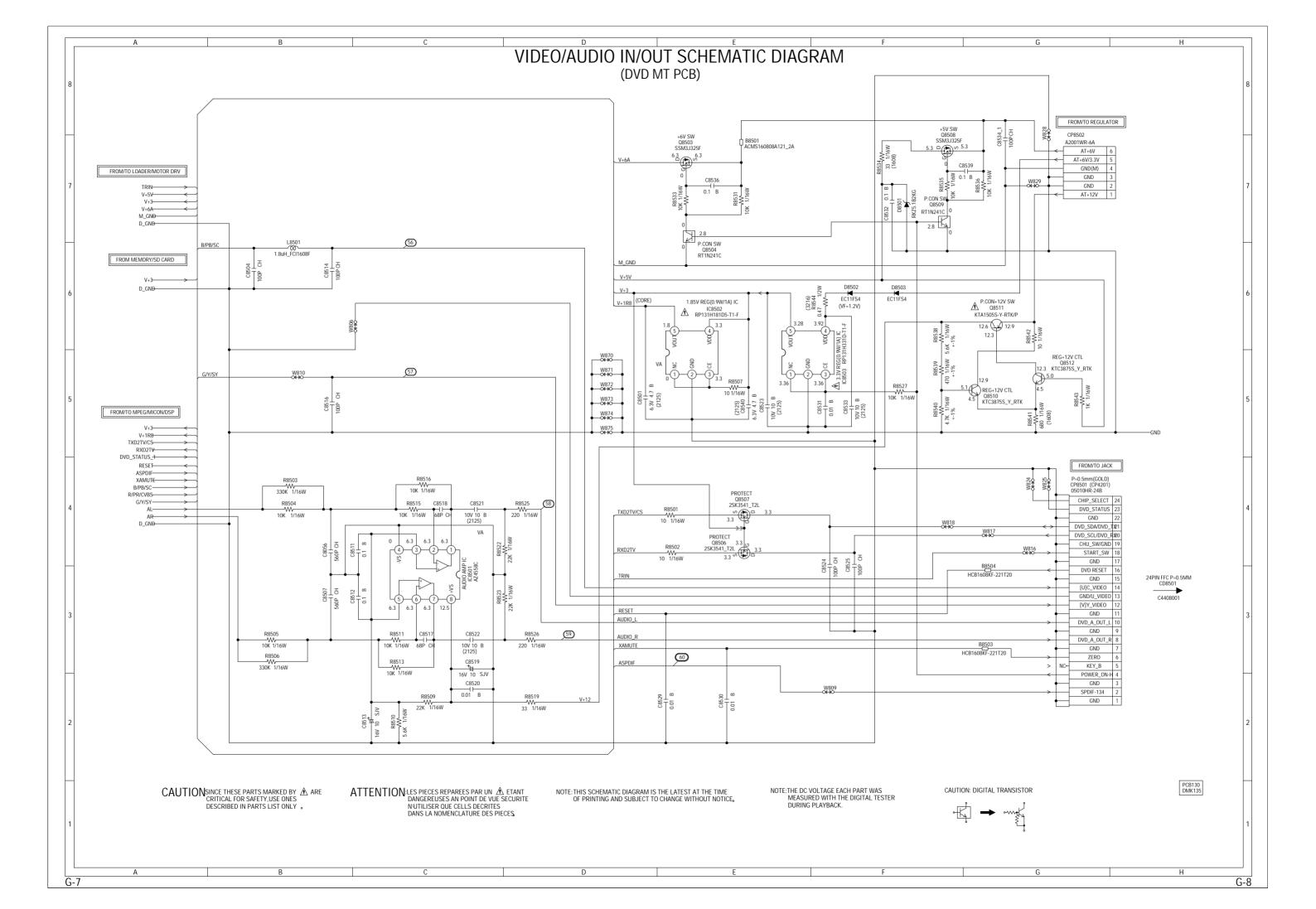
# PCB (CHIP MOUNTED PARTS) SOLDER SIDE

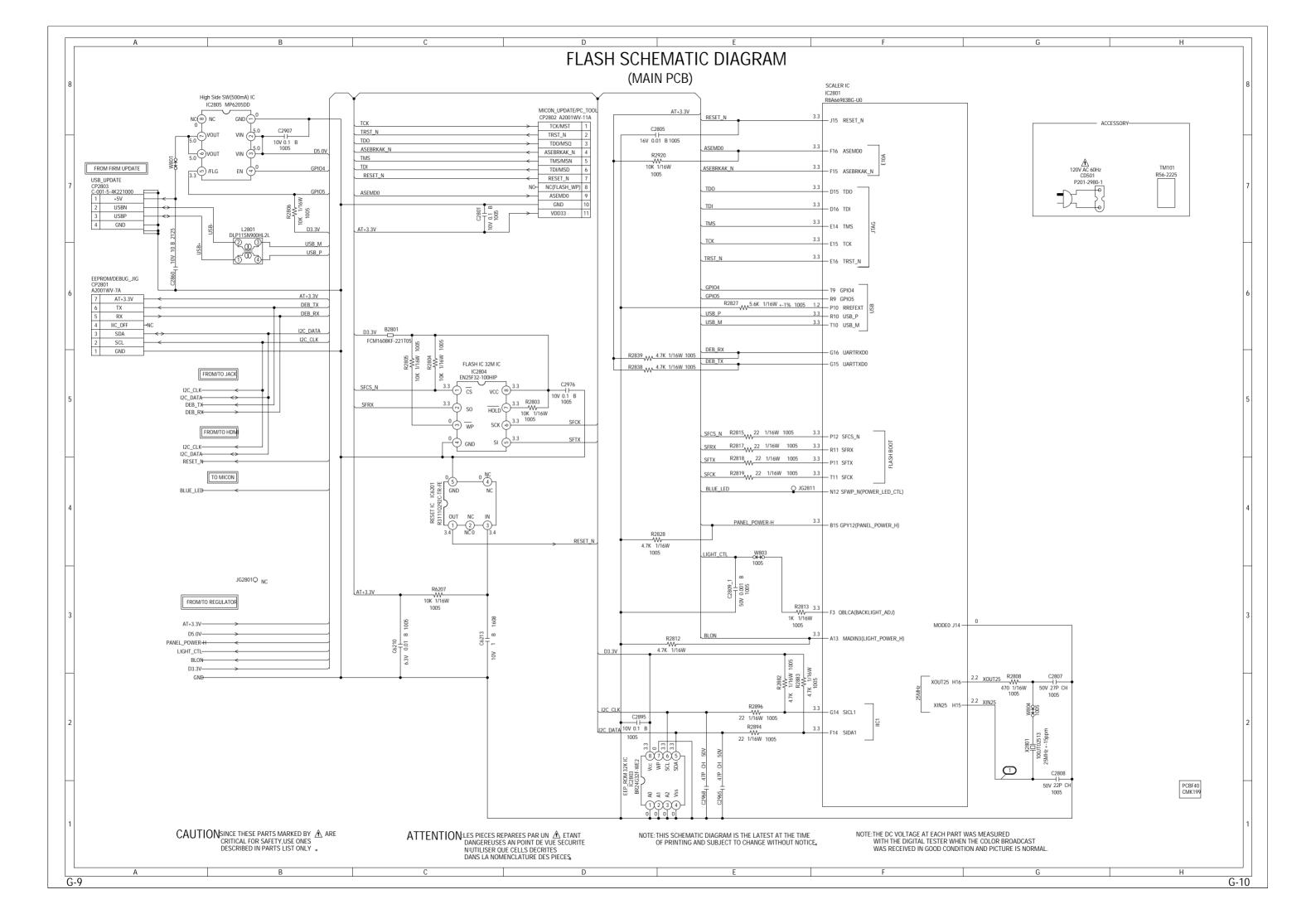


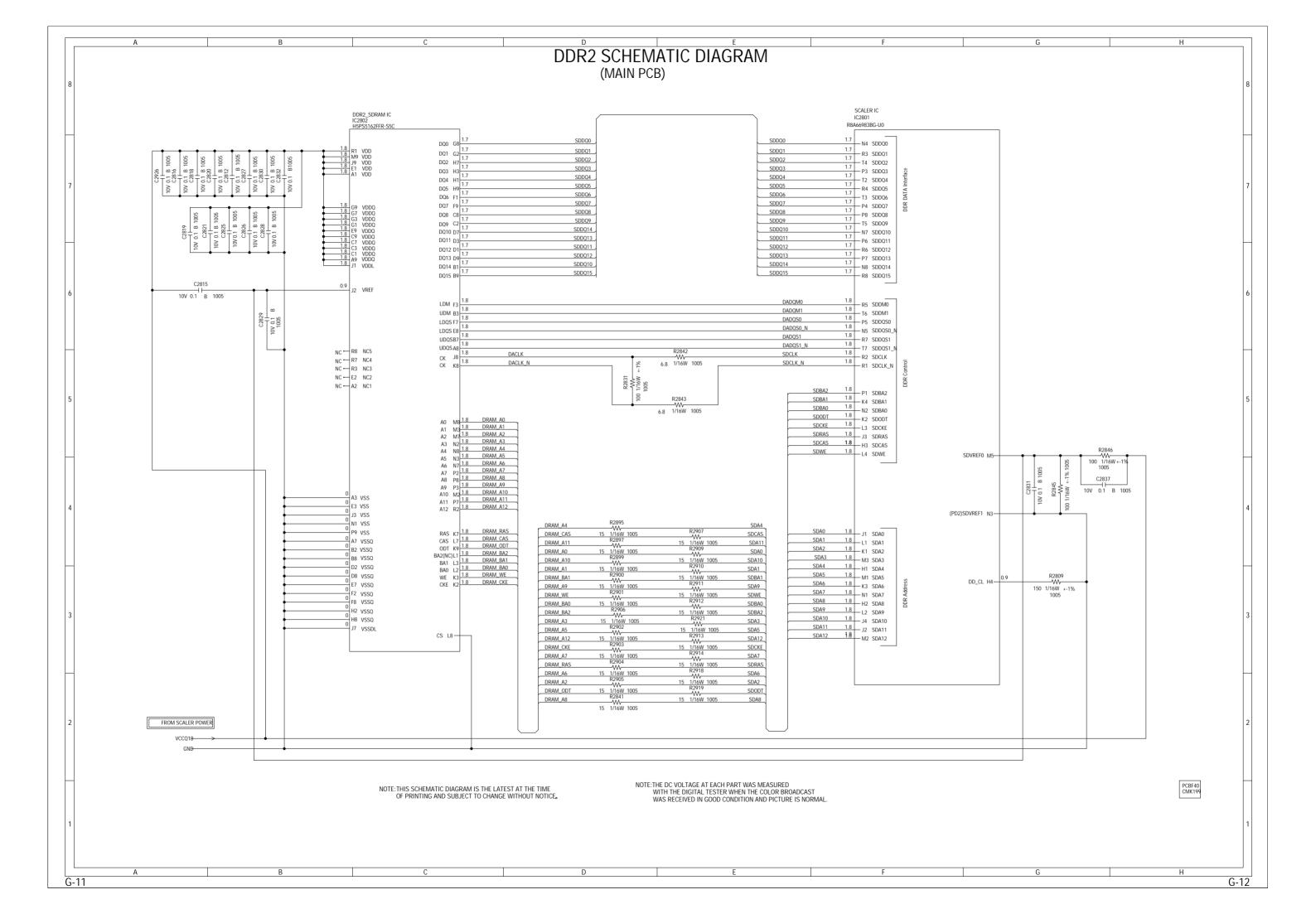


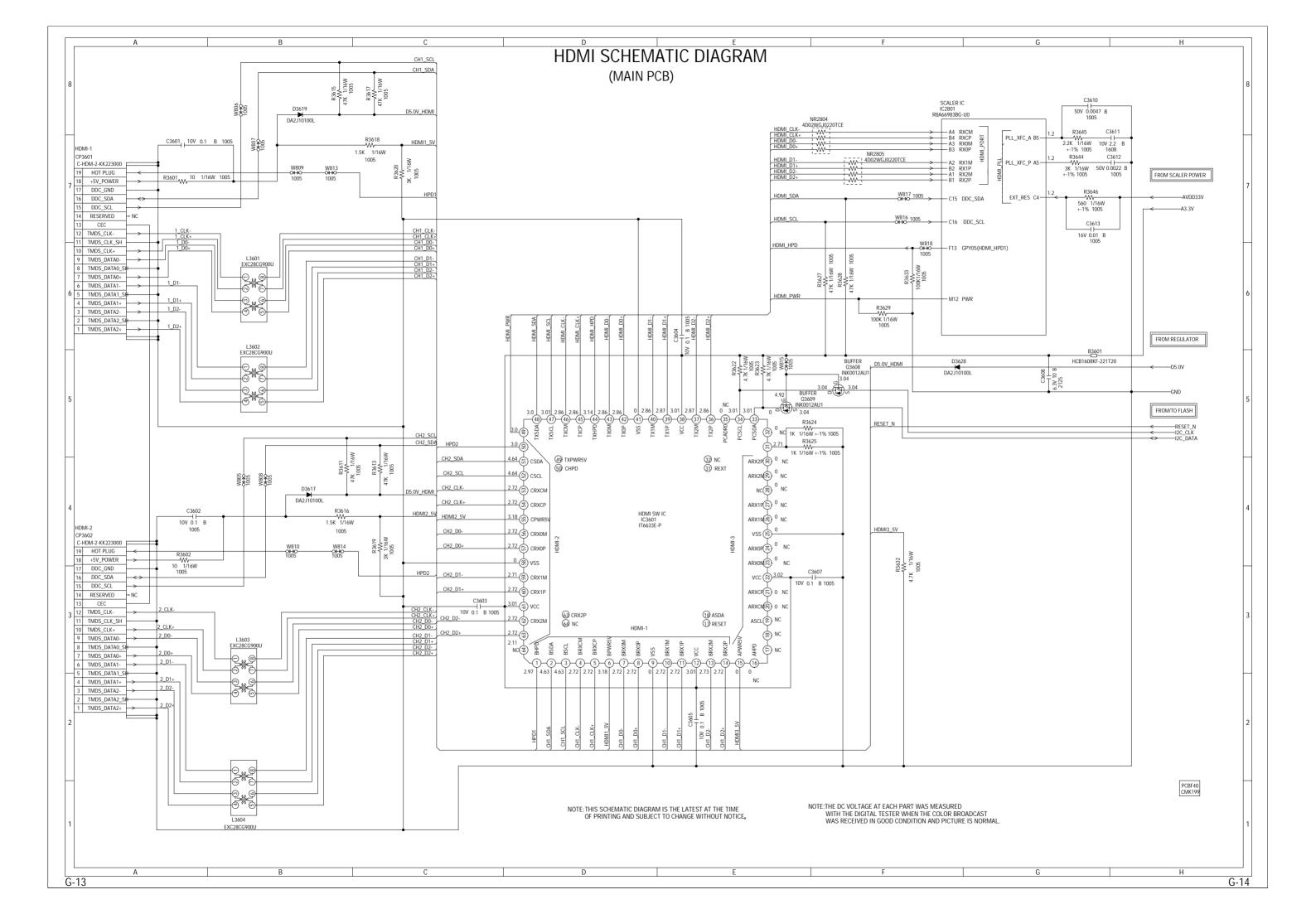


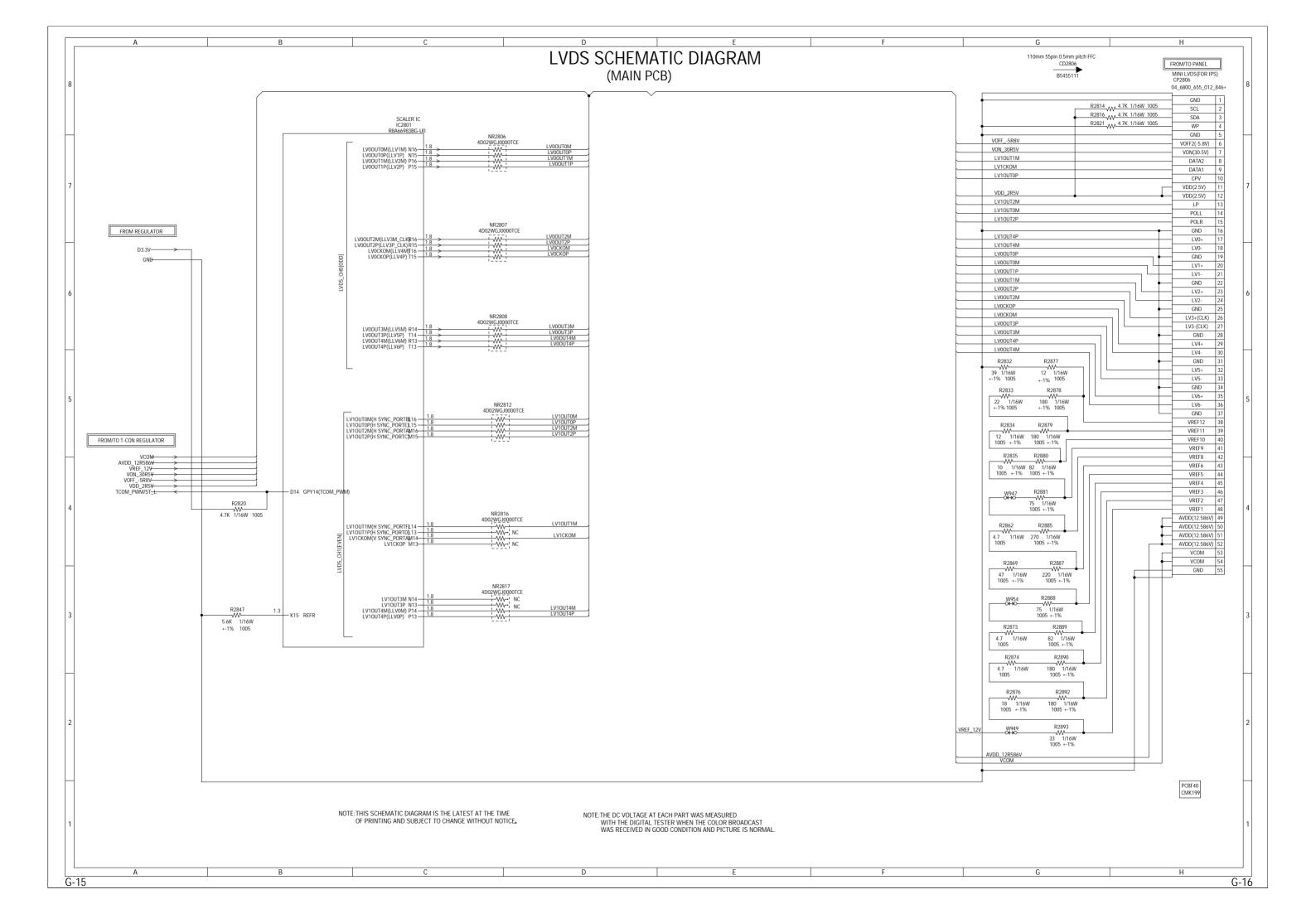


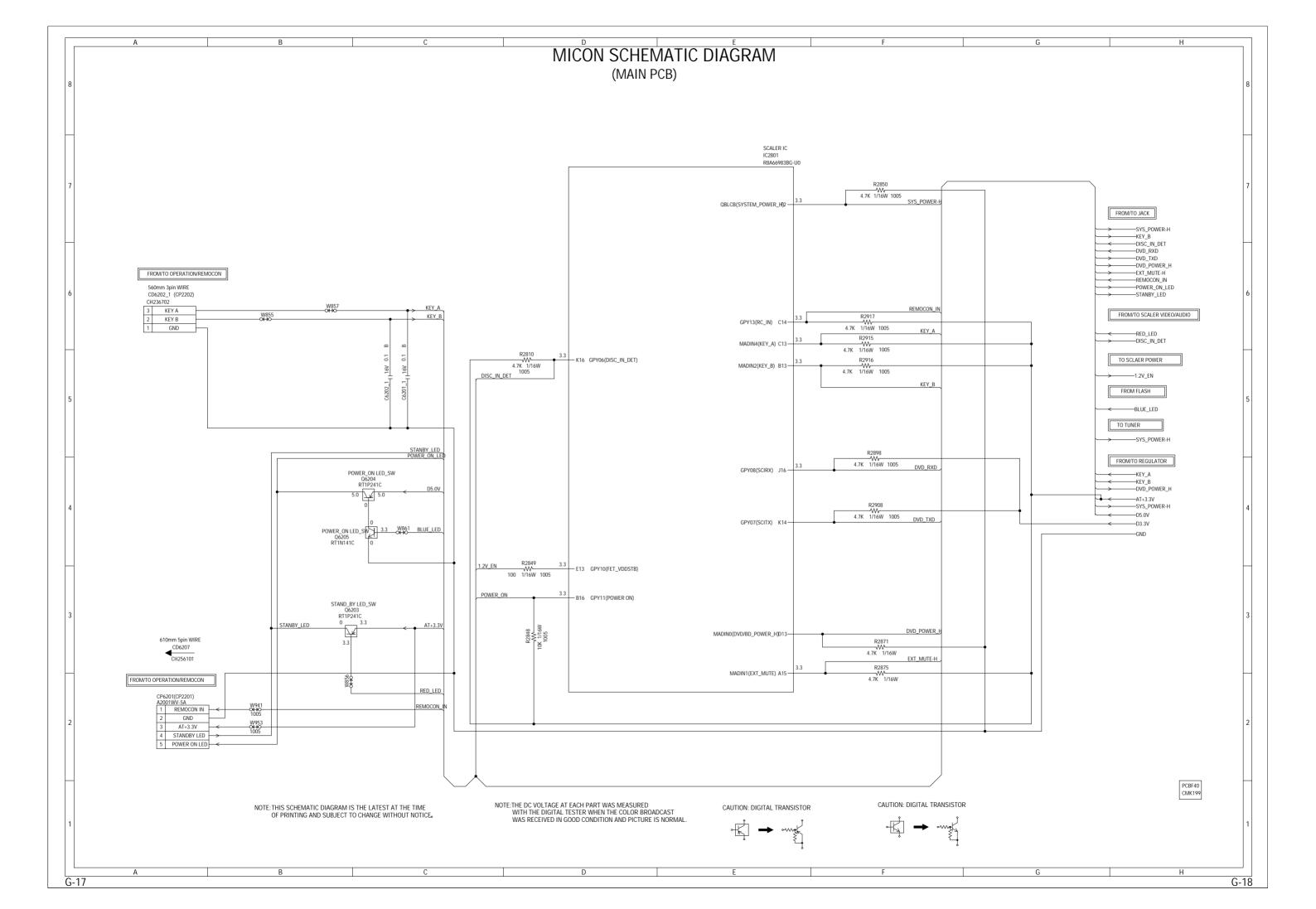


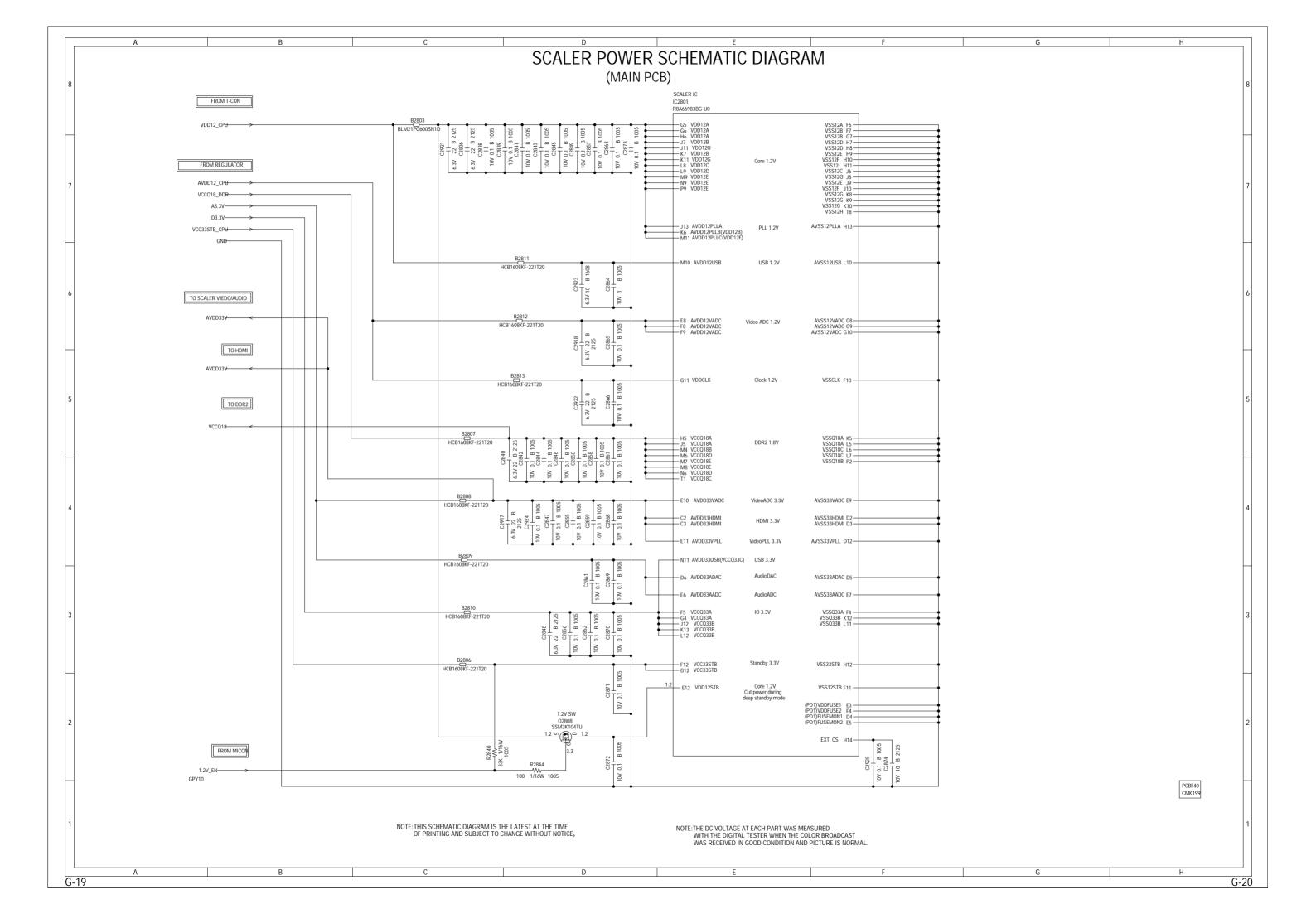


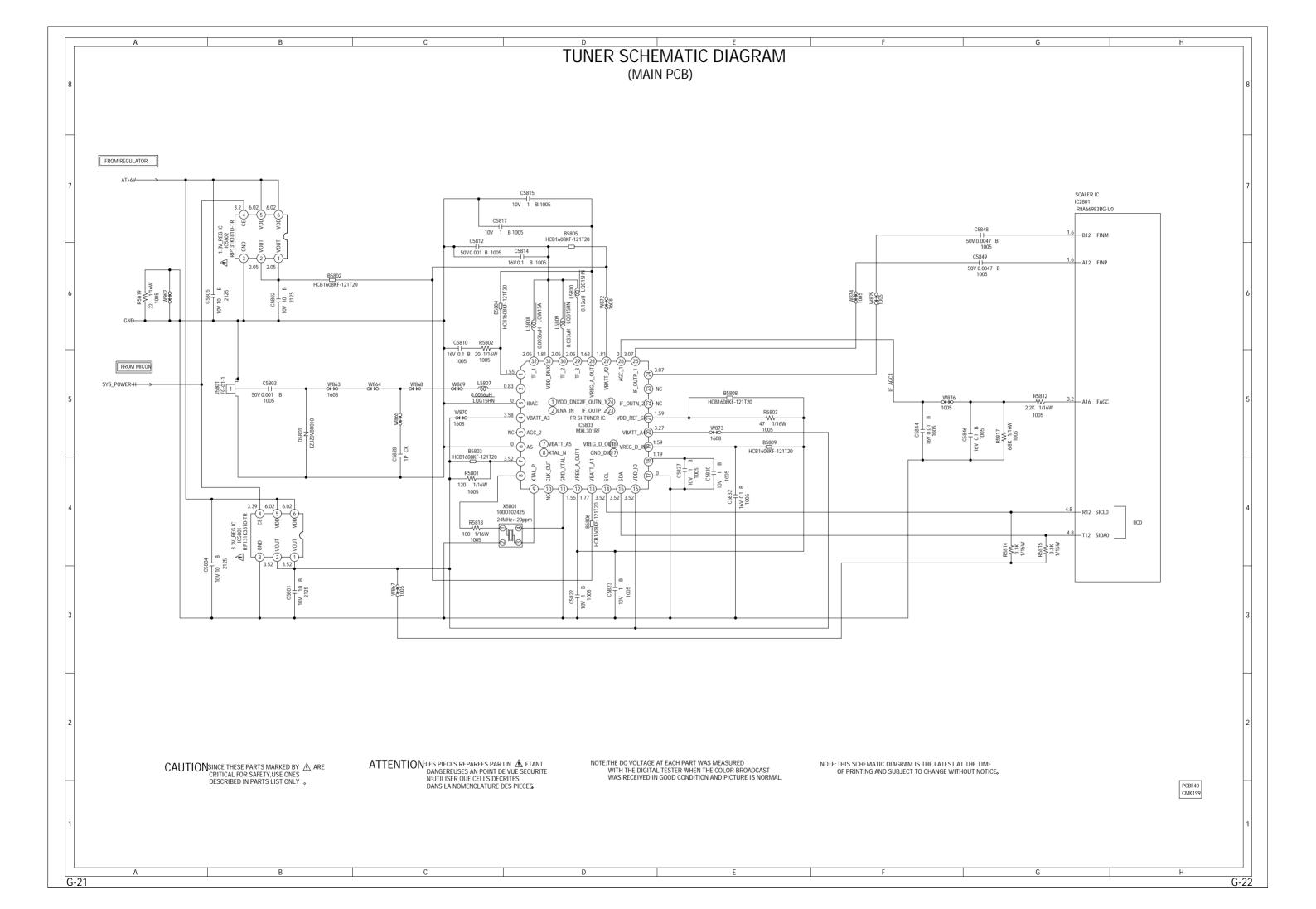


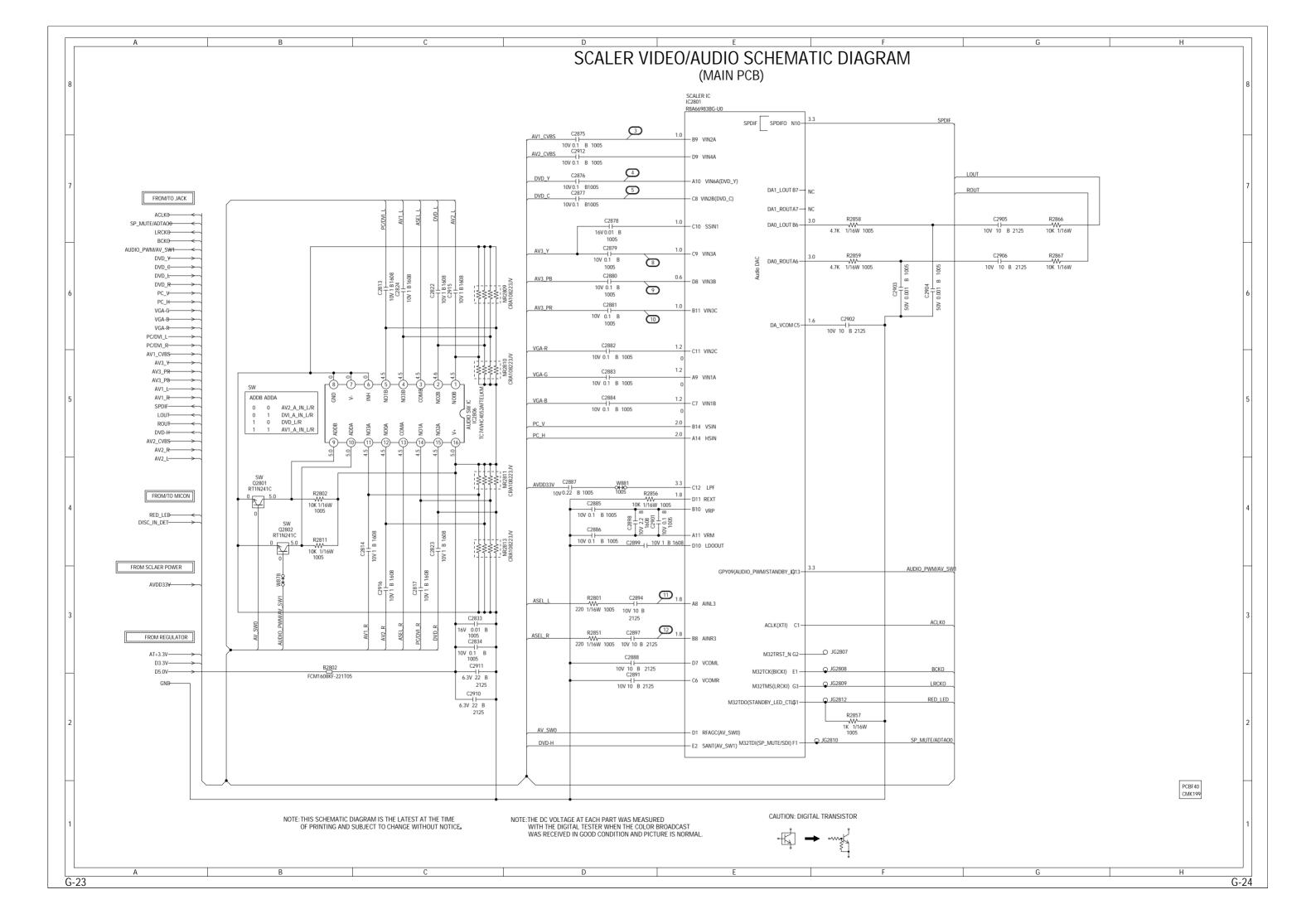


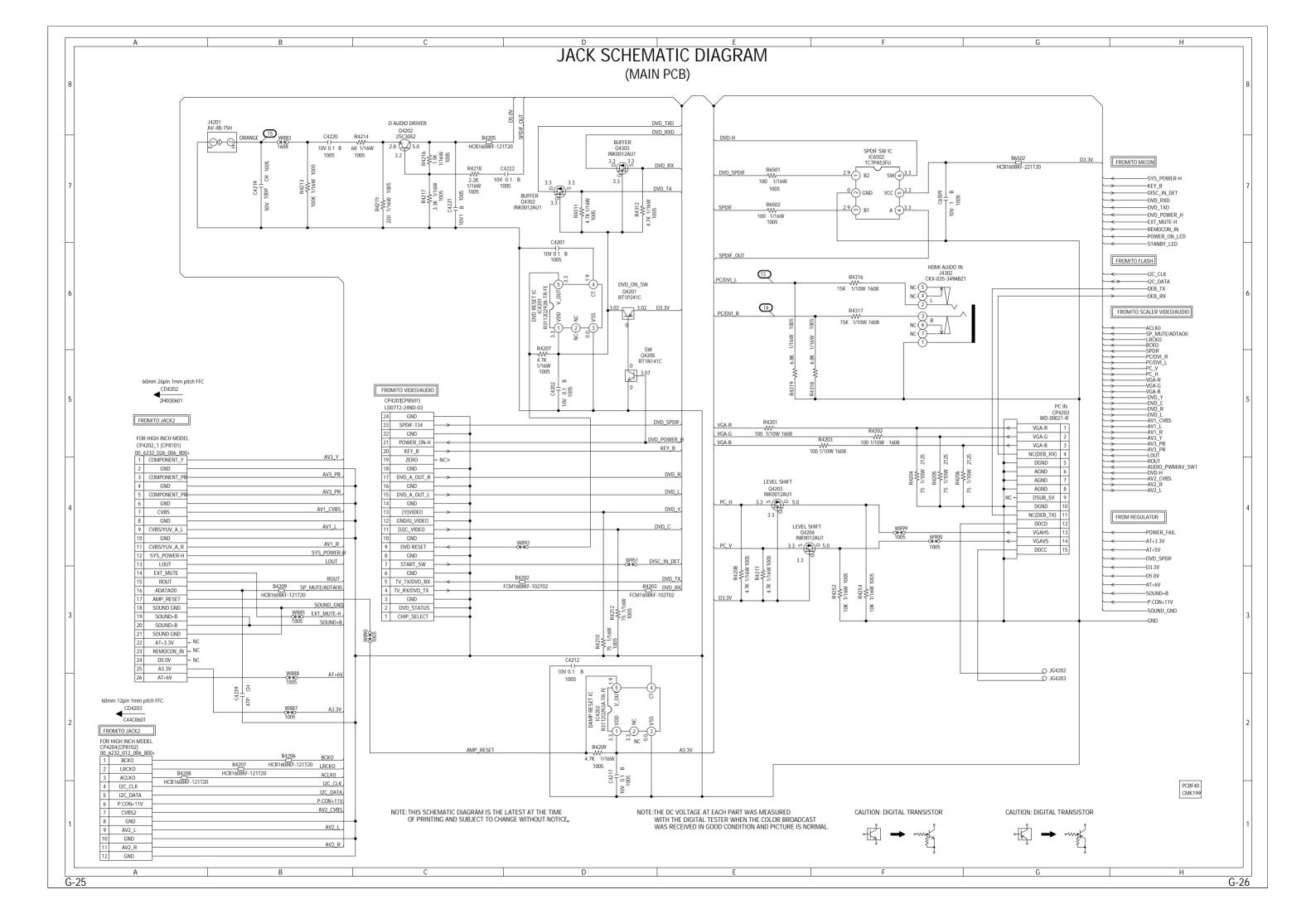


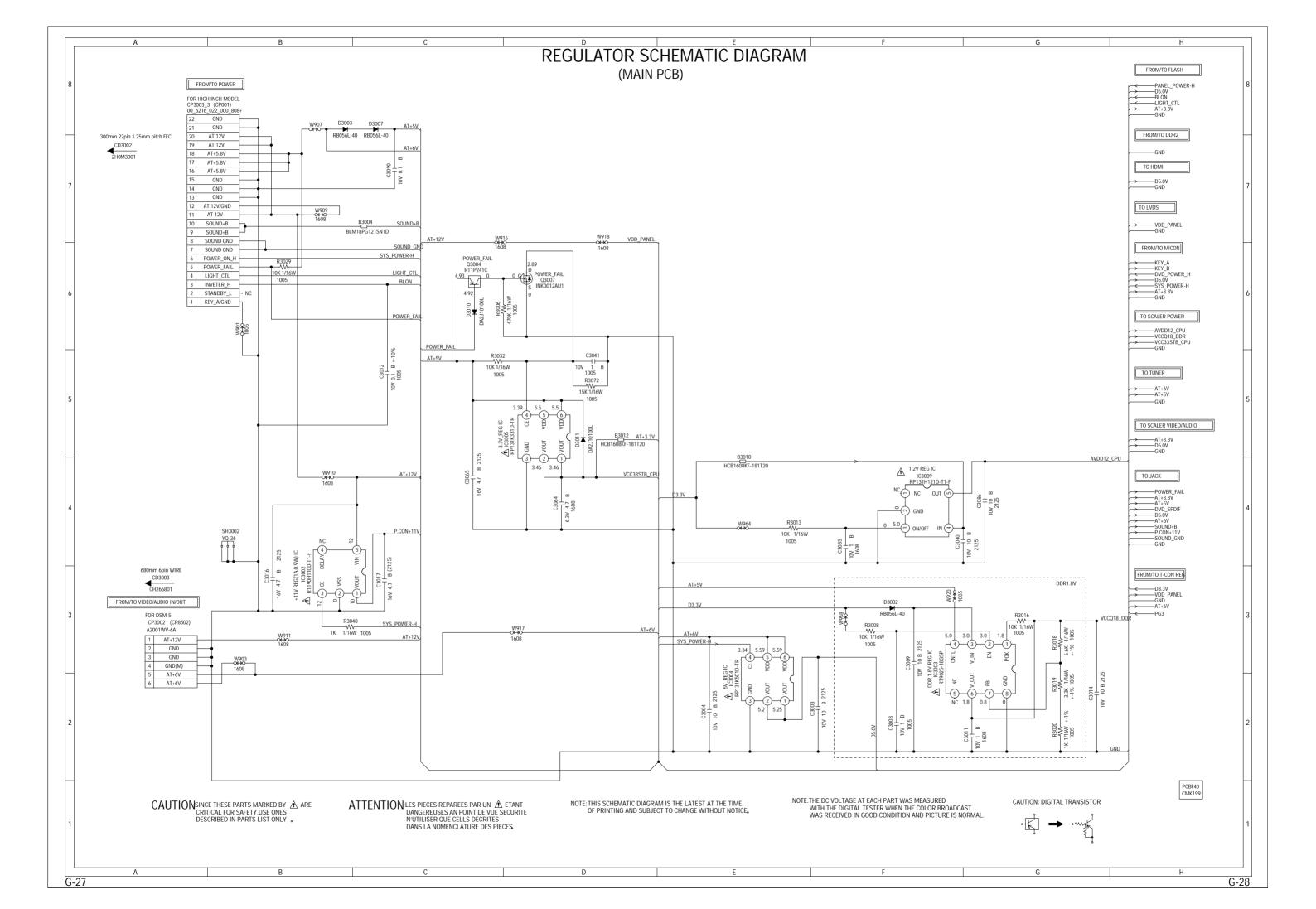


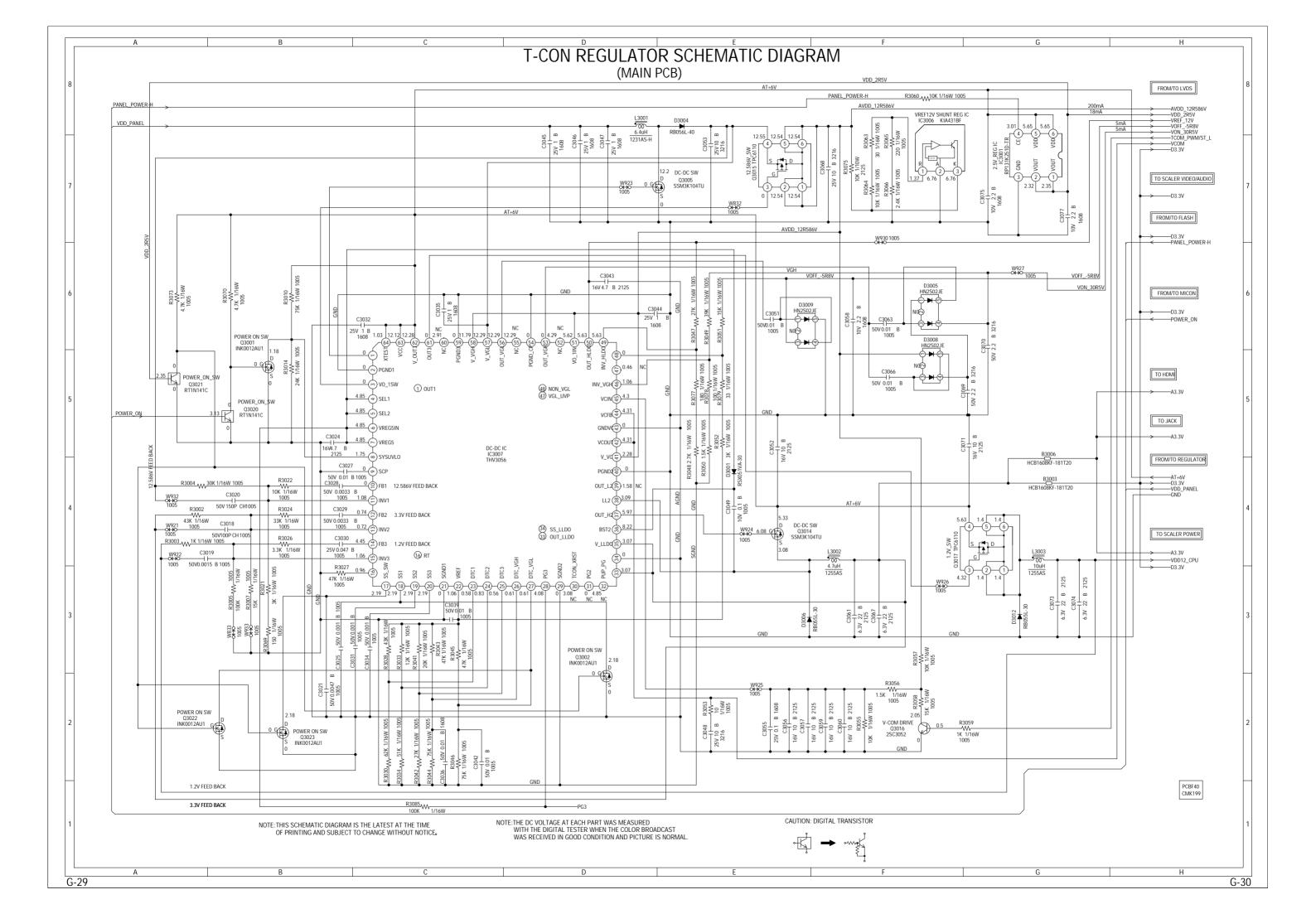


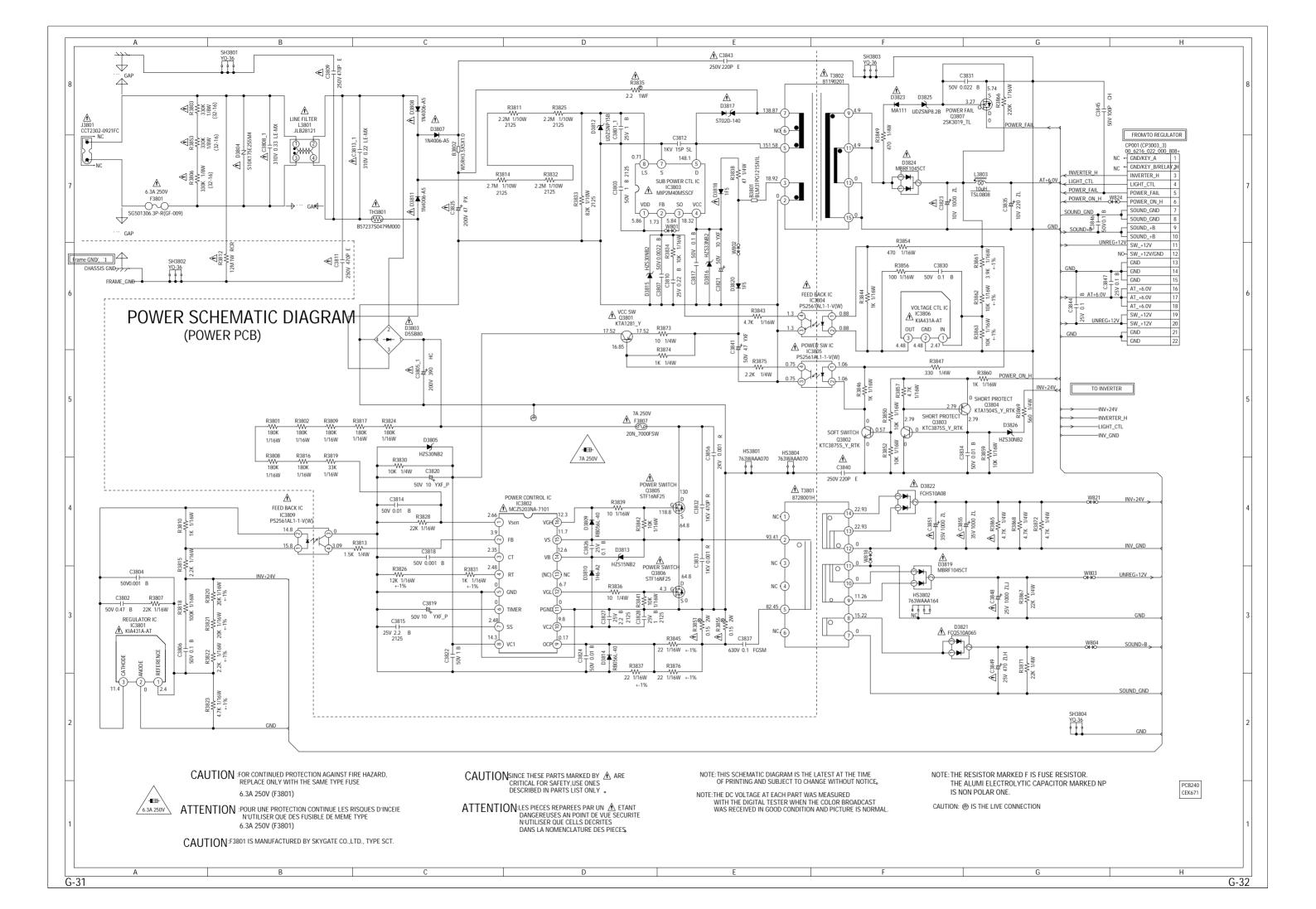


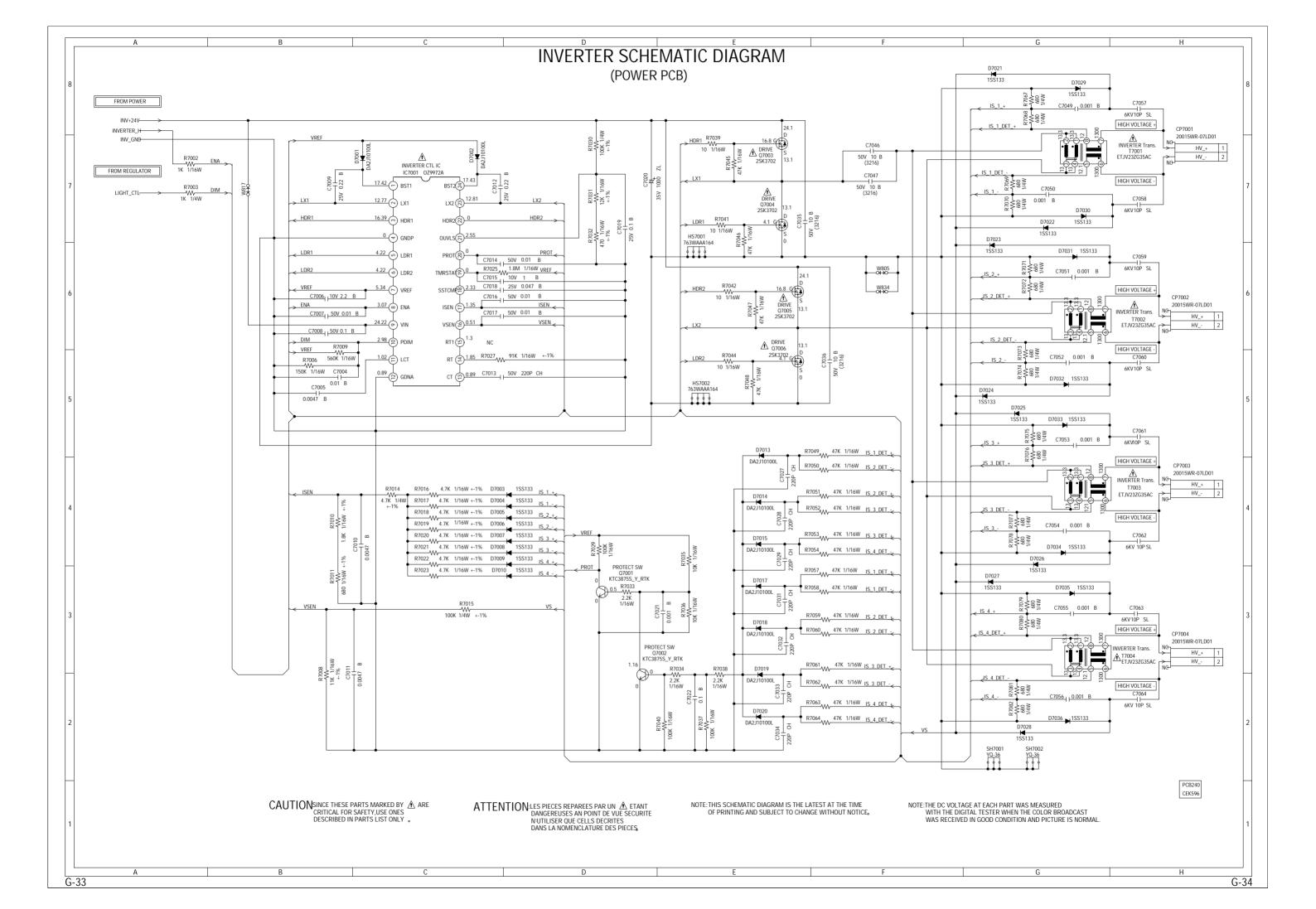


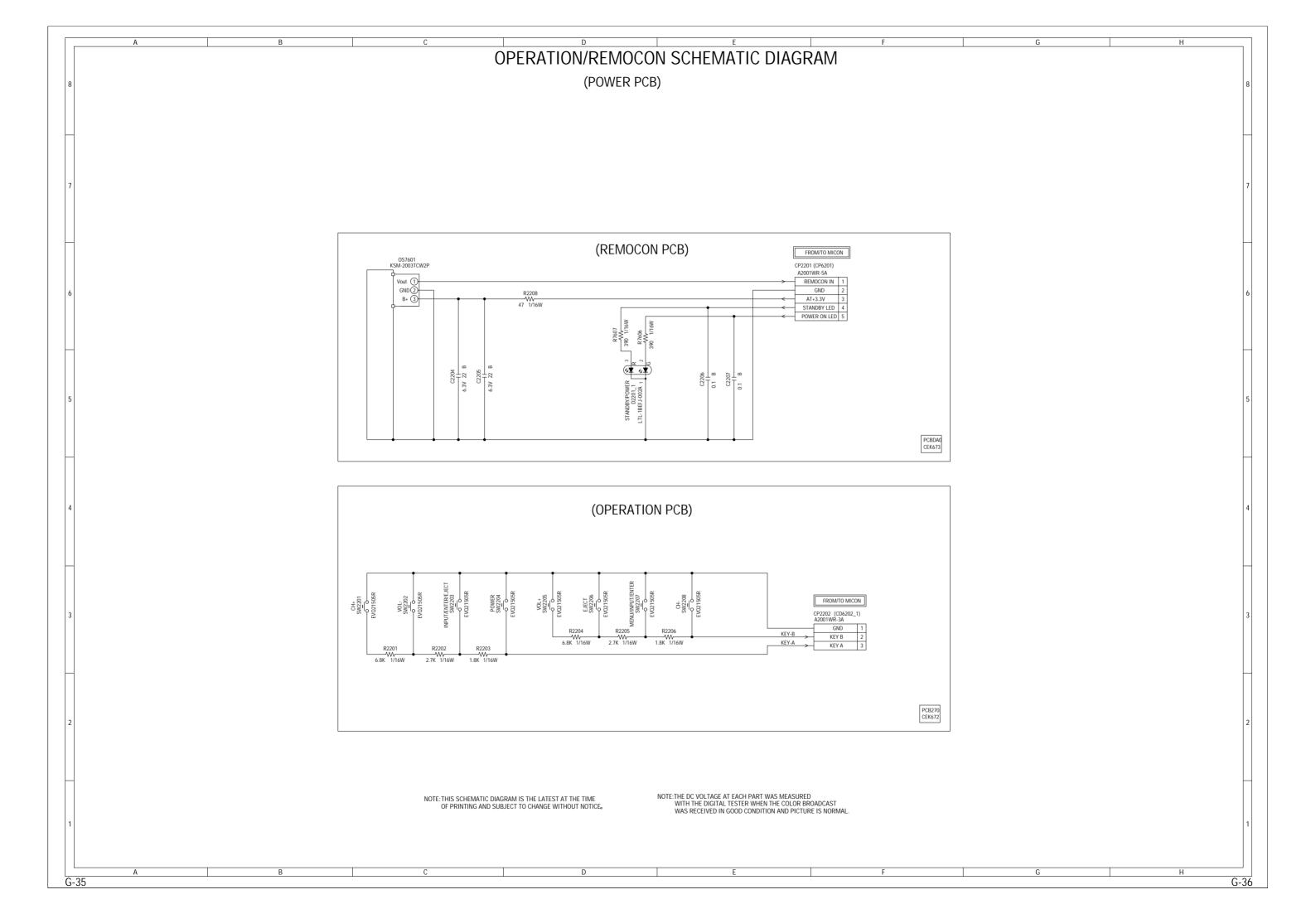


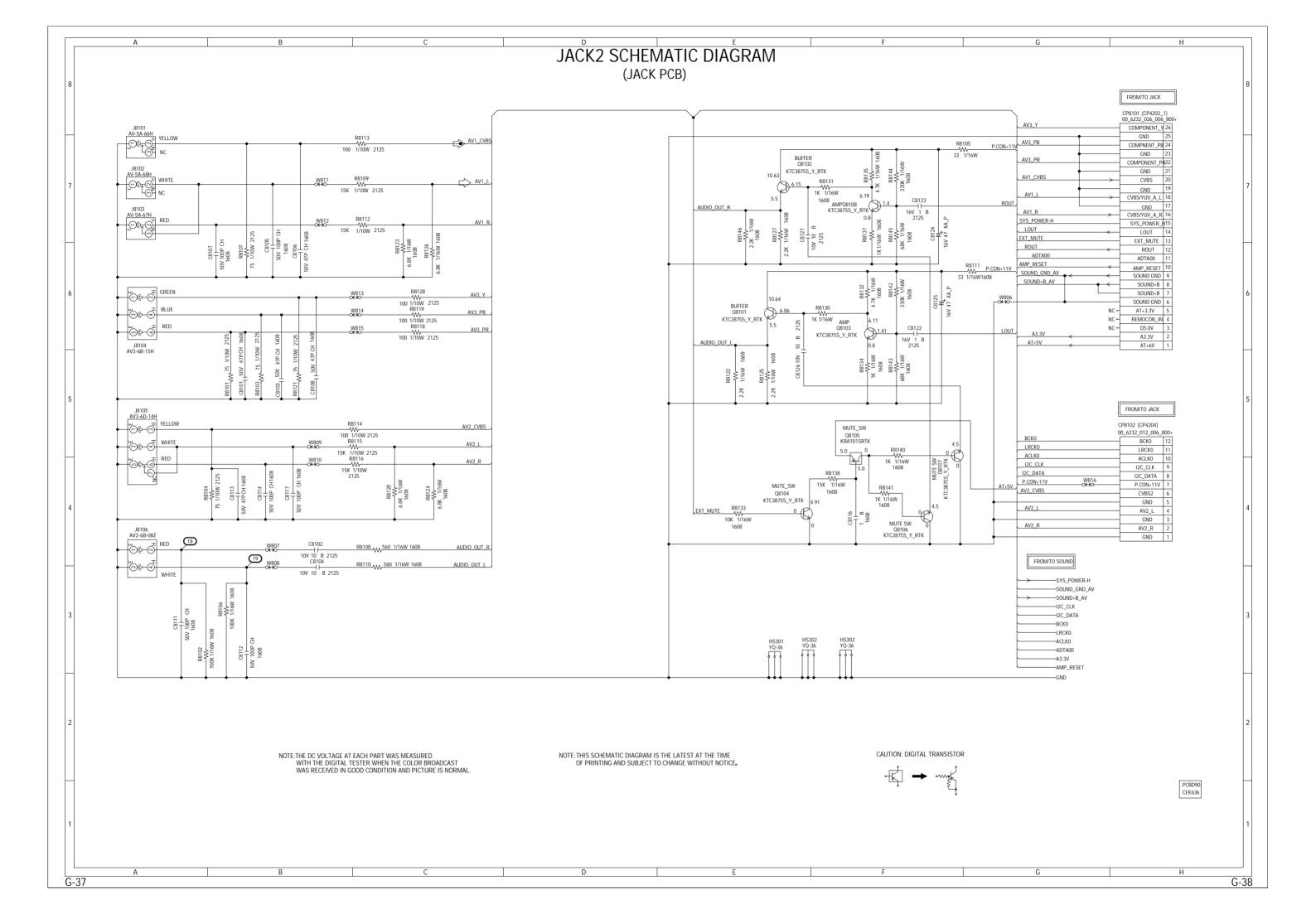


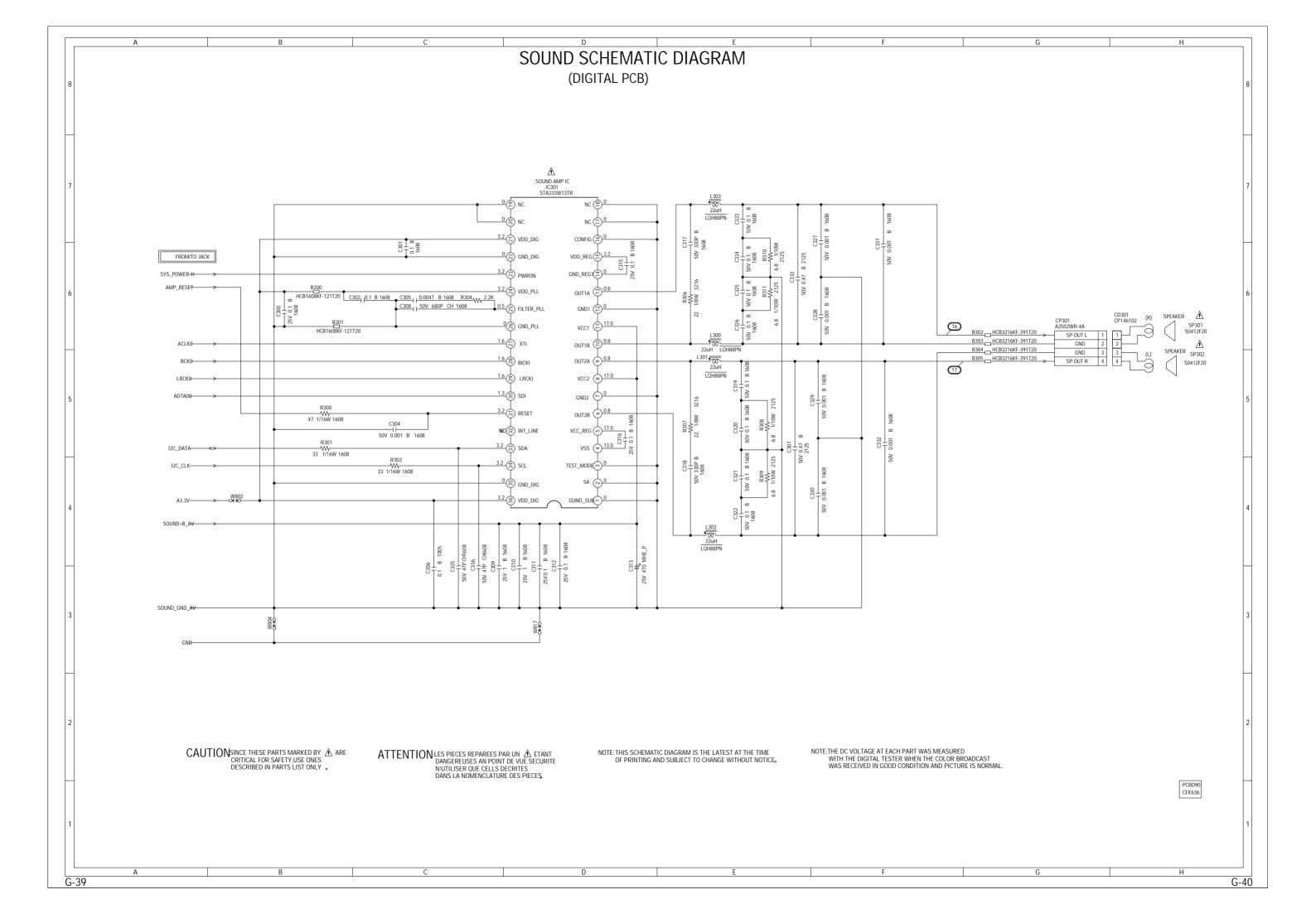


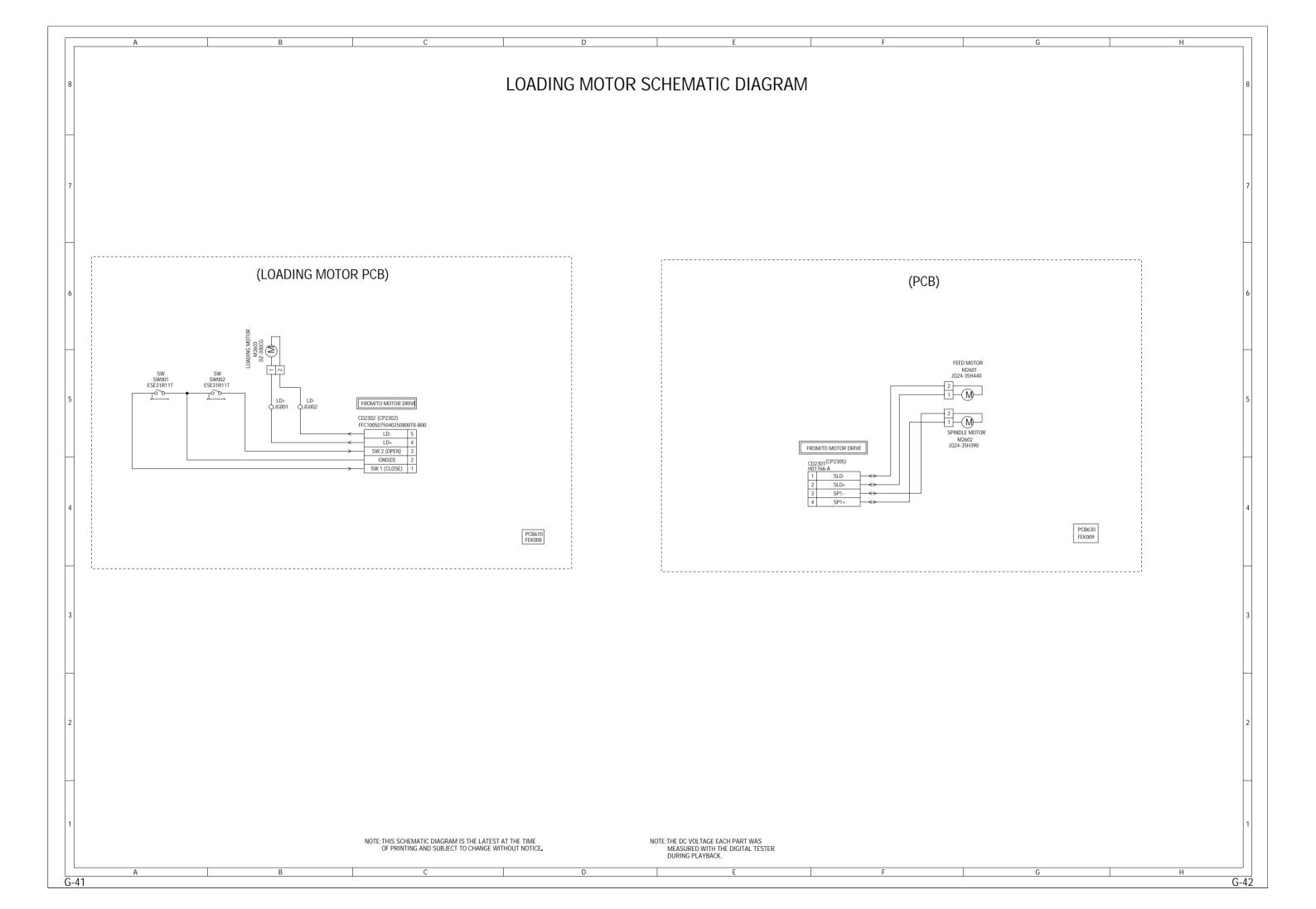


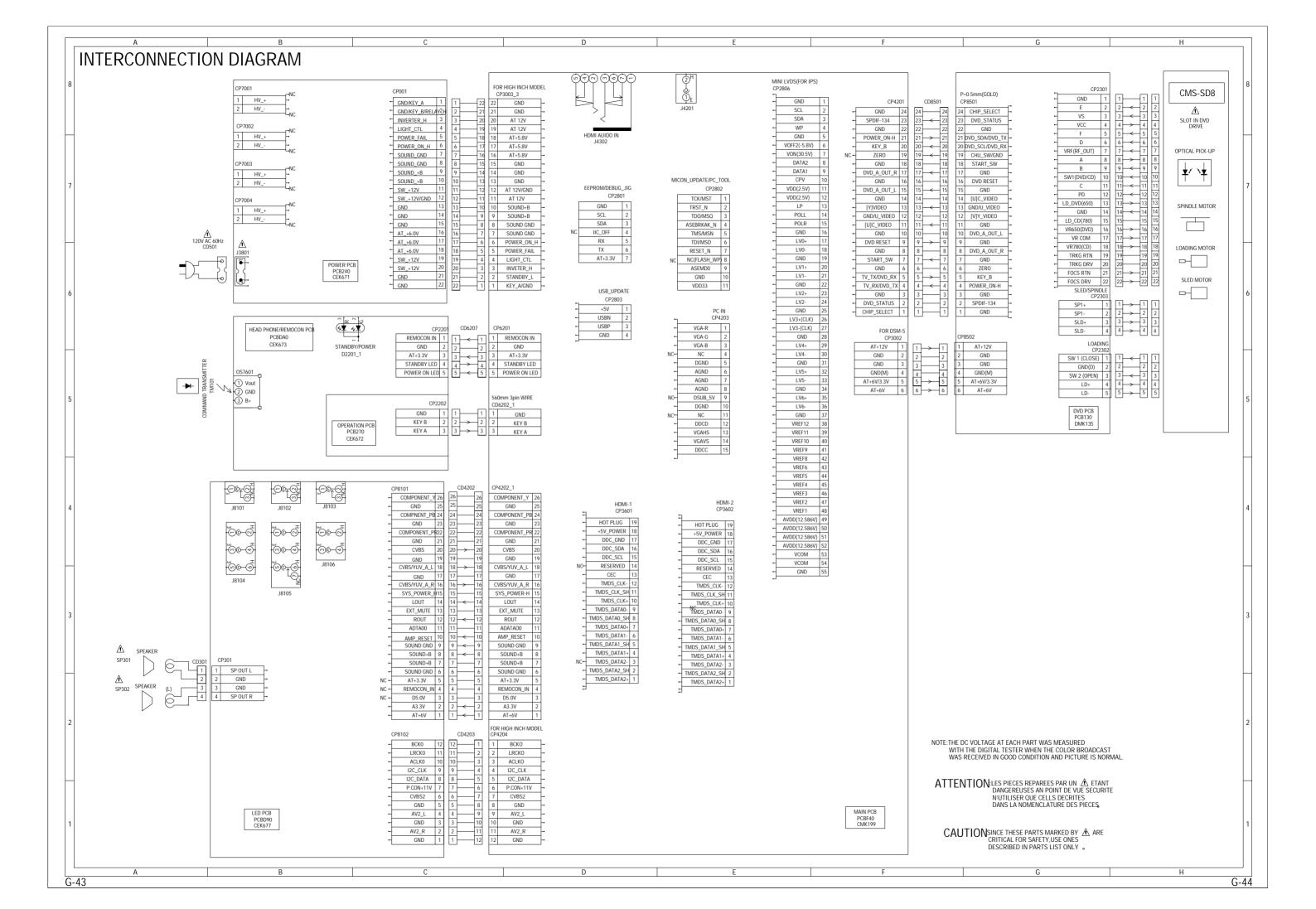












#### **WAVEFORMS FLASH** SOUND 20ns 200mV 10us 100mV 1ms 200mV 10 16 1 **SCALER VIDEO/AUDIO** 1ms 200mV 2ms 100mV 3 11 17 JACK2 20us 500mV 2ms 100mV 2ms 500mV 12 18 4 **JACK** 20us 500mV 2ms 100mV 2ms 500mV 5 13 19 MPEG/MICON/DSP 10us 200mV 2ms 100mV 5ns 200mV 8 14 50 10us 100mV 0.2us 200mV 20ns 200mV 9 15 51

NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram.

#### **WAVEFORMS**

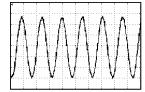
#### MPEG/MICON/DSP

#### VIDEO/AUDIO IN/OUT

60

5ns 200mV

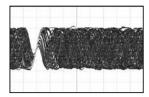
54



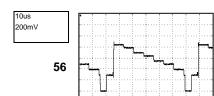


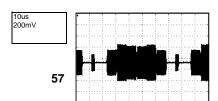
200ns 200mV

55

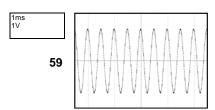


#### VIDEO/AUDIO IN/OUT



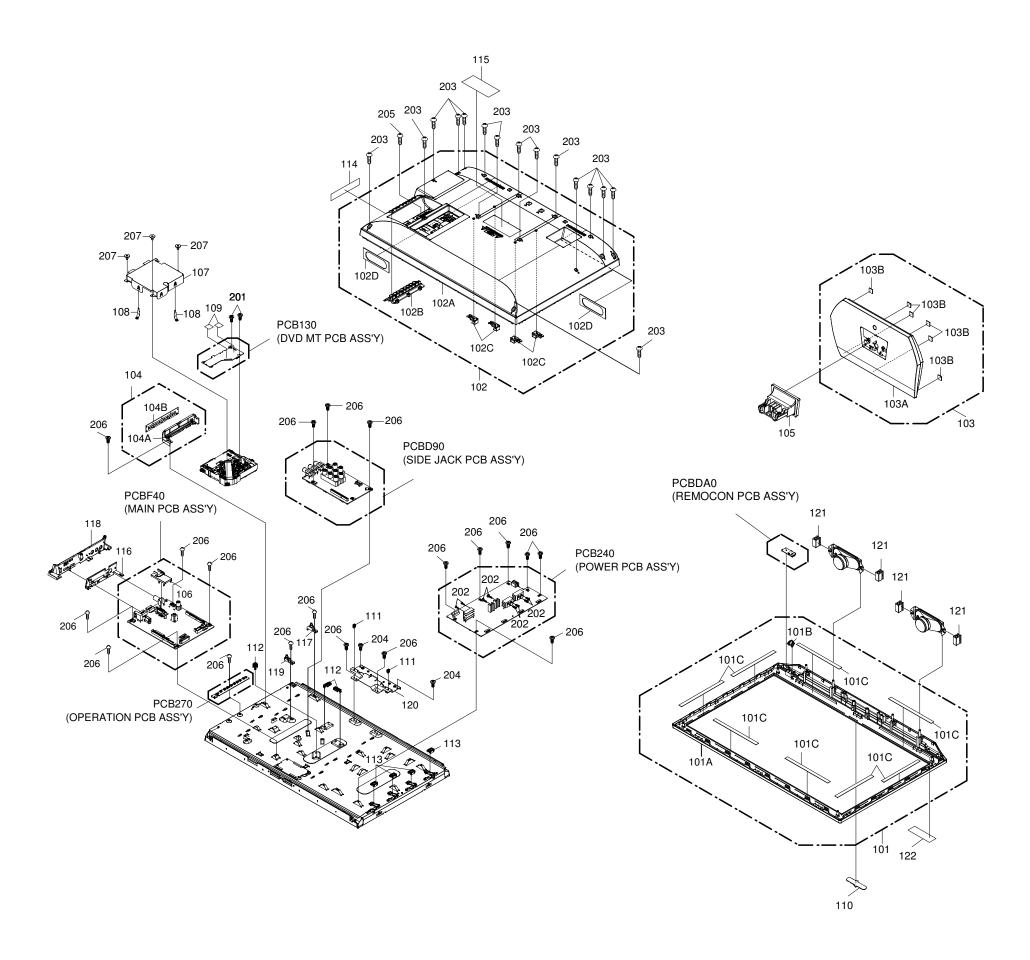


1ms 1V 58



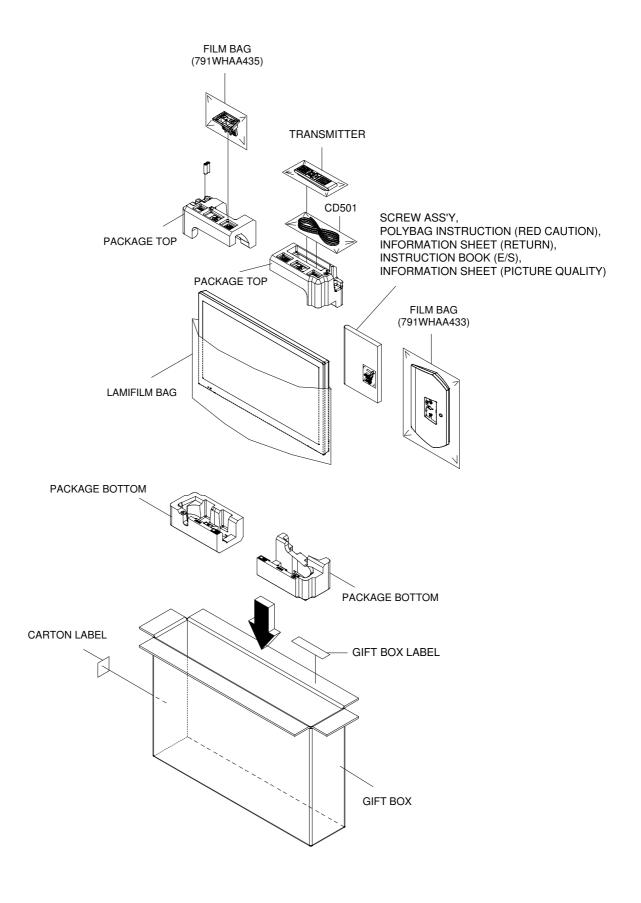
NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram.

#### **MECHANICAL EXPLODED VIEW**

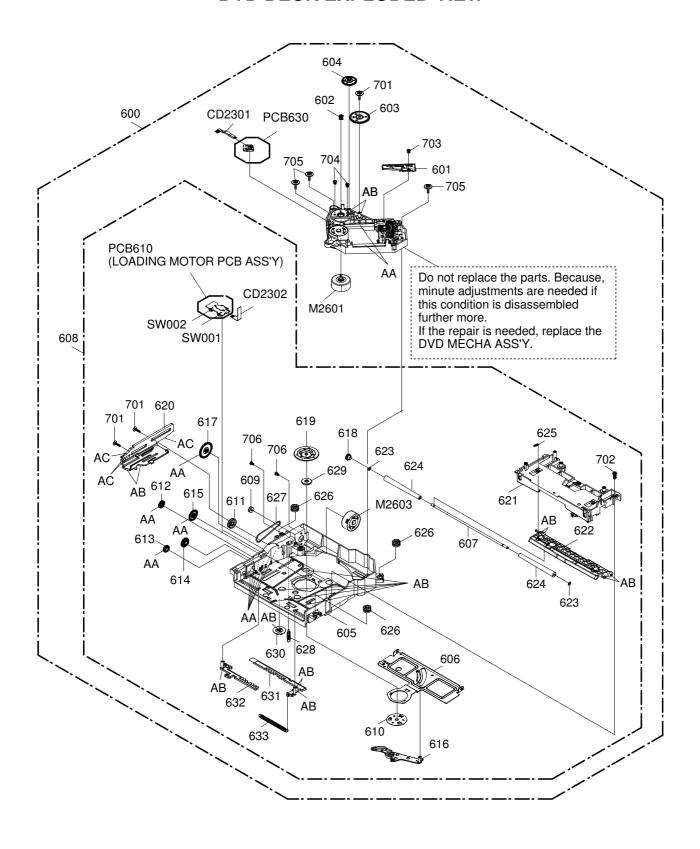


l1-1

# MECHANICAL EXPLODED VIEW (PACKING DIAGRAM)



#### **DVD DECK EXPLODED VIEW**



CLASS	PART NO.	PART NAME	MARK
	Y315141000	G-313Y	AA
GREASE	Y31D041000	CFD-5007Z	AB
	Y315181000	G-803B	AC

**NOTE:** Applying positions AA, AB and AC for the grease are displayed for this section. Check if the correct grease is applied for each position.

# **MECHANICAL REPLACEMENT PARTS LIST**

REF. NO.	PART NO.	DESCRIPTION	
101	7A708A584A	FRONT CABI ASS'Y	or
101	7A708A584A 7A708A636A	FRONT CABI ASS Y	Or
4044			
101A	708WPA0060	CABINET FRONT	
101B	713WPA0464	GLASS LED	
101C	800WQ0A250	FELT SHEET	
400	7470000400	DAOK OARLAGON	
102	7A702B319B	BACK CABI ASS'Y	
102A	702WPA1571	CABINET BACK	
102B	735WPA0991	BUTTON FRAME	
102C	761WSA0867	ANGLE BACK	
102D	800WF0A031	CUSHION SPEAKER	
400	7470440004	OTANID ACCIV	
103	7A704A299A	STAND ASS'Y	
103A	704WPA0176	STAND	or
	704WPA0190	STAND	
103B	800WRA0014	CUSHION LEG	
104	7A761A027A	HOLDER DECK B ASS'Y	
104A	761WPA0645	HOLDER DECK B	
104B	800WQ0A331	FELT SHEET (DVD)	
105	7A704A303A	STAND FRAME ASS'Y	
100	750\\(0.4.4.000	CHIELD TUNED	
106	752WSAA202	SHIELD TUNER	
107	752WSA0808	SHIELD DECK	
108	753WUAA006	SPRING EARTH H/AMP	
109	800WRAA002	CUSHION LEG	
110	723529A004	BADGE BRAND	1AV2BAAS025
111	709WPA0051	HOLDER WIRE	
112	709WPA0054	HOLDER WIRE	
113	709WPA0072	HOLDER WIRE	
114	721000A016	SHEET BUTTON	
115	722529A025	SHEET RATING	
116	752WUA0026	SHIELD JACK	
117	761WPA0628	HOLDER DVD	
118	761WPA0644	PLATE JACK	
119	761WPA0647	HOLDER DECK A	
120	761WSA0866	ANGLE HINGE	
121	800CR00001	DAMPER SPEAKER	
122	723000E894	ENERGY GUIDE LABEL	
201	811022080U	SCREW,TAP TITE(P) BIND	2x8
202	8109I30A0U	SCREW TAP TITE(B) WH7	3x10
203	8109230A4S	SCREW TAP TITE(B) BIND	3x14
204	8109230A4U	SCREW TAP TITE(B) BIND	3x14
205	810923080S	SCREW TAP TITE(B) BIND	3x8
206	810923080U	SCREW TAP TITE(B) BIND	3x8
207	811022680U	SCREW TAP TITE(P) BIND	2.6x8
	=0005==	0.457044.4554	
	723000E802	CARTON LABEL	
	723000E803	GIFT BOX LABEL	
	791WHAA252	LAMIFILM BAG	
	791WHAA433	FILM BAG	
	792WHA0846	PACKAGE TOP	
	792WHA0847	PACKAGE BOTTOM	
	793WCDE535	GIFT BOX	
	7G789A006A	SCREW ASS'Y	
	J37I0529A	INFORMATION SHEET(RETURN)	
	J56Q0221A	INSTRUCTION BOOK(E/S)	
	J56Q0259A	INFORMATION SHEET(PICTURE QUALITY)	
	JA5KD001	POLYBAG INSTRUCTION(RED CAUTION)	
	791WHAA435	FILM BAG	
		<u> </u>	

# **DVD DECK REPLACEMENT PARTS LIST**

REF. NO.	PART NO.	DESCRI	PTION
<u>KEF. NO.</u> <u> </u>	A55Z01K650	DVD MECHA ASS'Y	A55Z01K650
<u>Z: \</u> 000	A33201R630	DVD WEGIN ASS I	A332011030
601	92AAA0029A	FEED RACK ASSY	
602	92P100203A	GEAR MOTOR	
603	92P100201A	GEAR FEED	
604	92P100201A	GEAR MIDDLE	
605	92P100225A	FRAME	
606	92P000048A	PLATE LIFTER	
607	92P500018A	SHAFT ROLLER	
608	A55Z01K700	LOADER SUB ASS'Y	
609	92P100226A	PULLEY MOTOR	
000	021 10022071	. 52225 . 6.1	
610	92P000049A	PLATE CLAMPER	
611	92P100227A	GEAR PULLEY	
612	92P100228A	GEAR MAIN	
613	92P100229A	GEAR MIDDLE 1	
614	92P100230A	GEAR MIDDLE 2	
615	92P100231A	GEAR MIDDLE 3	
616	92P100239A	LEVER GUIDE	
617	92P100232A	GEAR MIDDLE 4	
618	92P100233A	GEAR ROLLER	
619	92P100234A	CLAMPER	
620	92P100238A	RACK BASE	
621	92P100240A	PLATE HOLDER	
622	92P100241A	SHUTTER ROLLER	
623	92P100180A	LUMIRROR WASHER	
624	92P200020A	ROLLER CONE	
625	92P300048A	SPRING SHUTTER	
626	92P200030A	INSULATOR	
627	92P200031A	BELT LOADING	
628	92P300051A	SPRING LIFTER	
629	92P400016A	MAGNET	
630	92P100235A	GEAR RACK DISC	
631	92P100236A	RACK DISC SENSOR L	
632	92P100237A	RACK DISC SENSOR R	
633	92P300050A	SPRING RACK D SENSOR	
701	92P700020A	SCREW TAP TITE(P) PAN	WH5.4 1.7x8
702	92P700018A	SCREW TAP TITE(P) BIND	2.6x8
703	813381750U	SCREW,T-TITE(B)CAMERA PAN	M1.7x5.0 P3
704	814011723U	SCREW,PAN	M1.7x2.3 P3
705	92P700017A	SCREW TAP TITE(P)BIND WH7	M2.6x8
706	814011730U	SCREW,PAN	M1.7x3 P3
CD2301	12C1040401	CORD JUMPER	FFC1004040040250800T8-B00
CD2302	12C1050701	CORD JUMPER	FFC1005075040250800T8-B00
M2601	1515U98012	MOTOR	JQ24-35H440C or
	1515K98010	MOTOR	DZ-300CE
M2603	1515U98013	MOTOR	JQ24-35H440D or
	1596Q98006	MOTOR	DZ-300CG
PCB610	A55Z01K610	LOADING MOTOR PCB ASS'Y	FEK008A
PCB630	13FEK009AW	PCB	FEK009A
SW001	0500101042	PUSH SWITCH	ESE31R11T
SW002	0500101042	PUSH SWITCH	ESE31R11T

REF. NO.	PART NO.	DESCRIPTI	ION	REF. NO.	PART NO.	DESCRIPTION	N
KLI . NO.	TAKT NO.	RESISTORS	1014	KLI . NO.	FART NO.	RESISTORS	714
R300	R803R9470J		47 OHM 1/16W	R2857	R808R9102J		K OHM 1/16W
R301	R803R9330J	RC	33 OHM 1/16W	R2858	R808R9472J	RC 4	.7K OHM 1/16W
R303		RC	33 OHM 1/16W	R2859			.7K OHM 1/16W
R304	R803R9222J	RC	2.2K OHM 1/16W	R2862			.7 OHM 1/16W
R306 R307	R802R8220J R802R8220J	RC PC	22 OHM 1/8W 22 OHM 1/8W	R2866 R2867			0K OHM 1/16W 0K OHM 1/16W
R308	R801R76R8J		6.8 OHM 1/10W	R2869			7 OHM 1/16W
R309	R801R76R8J		6.8 OHM 1/10W	R2871			.7K OHM 1/16W
R310	R801R76R8J		6.8 OHM 1/10W	R2873		RC 4	.7 OHM 1/16W
R311		RC	6.8 OHM 1/10W	R2874		RC 4	.7 OHM 1/16W
R2201		RC	6.8K OHM 1/16W	R2875			.7K OHM 1/16W
R2202	R803R9272J	RC	2.7K OHM 1/16W	R2876			8 OHM 1/16W
R2203 R2204	R803R9182J R803R9682J	RC RC	1.8K OHM 1/16W 6.8K OHM 1/16W	R2877 R2878			2 OHM 1/16W 80 OHM 1/16W
R2205	R803R9272J	RC	2.7K OHM 1/16W	R2879			80 OHM 1/16W
R2206	R803R9182J	RC	1.8K OHM 1/16W	R2880	R808R9820F	RC 8	2 OHM 1/16W
R2208	R803R9470J	RC	47 OHM 1/16W	R2881		-	5 OHM 1/16W
R2301	R808R94R7J	RC	4.7 OHM 1/16W	R2882			.7K OHM 1/16W
R2302		RC	4.7 OHM 1/16W	R2883			.7K OHM 1/16W
R2306 R2307	R808R9332J R808R9332J	RC RC	3.3K OHM 1/16W 3.3K OHM 1/16W	R2885 R2887			70 OHM 1/16W 20 OHM 1/16W
R2308		RC	10K OHM 1/16W	R2888			5 OHM 1/16W
R2309		RC	3.3K OHM 1/16W	R2889			2 OHM 1/16W
R2310		RC	10K OHM 1/16W	R2890			80 OHM 1/16W
R2311	R808R9103J		10K OHM 1/16W	R2892			80 OHM 1/16W
R2312	R808R9183J		18K OHM 1/16W	R2893			3 OHM 1/16W
R2313 R2315	R808R9183J R808R9822J	RC RC	18K OHM 1/16W 8.2K OHM 1/16W	R2894 R2895			2 OHM 1/16W 5 OHM 1/16W
R2316		RC	3.3K OHM 1/16W	R2896			2 OHM 1/16W
R2319	R808R9103J		10K OHM 1/16W	R2897			5 OHM 1/16W
R2325	R808R9471J		470 OHM 1/16W	R2898	R808R9472J	RC 4	.7K OHM 1/16W
R2326	R861R4010J		1 OHM 1/4W	R2899			5 OHM 1/16W
R2328		RC	10K OHM 1/16W	R2900			5 OHM 1/16W
R2342 R2344	R808R9103J R808R9103J	RC RC	10K OHM 1/16W 10K OHM 1/16W	R2901 R2902			5 OHM 1/16W 5 OHM 1/16W
R2344 R2801	R808R9221J		220 OHM 1/16W	R2902 R2903			5 OHM 1/16W
R2802	R808R9103J	RC	10K OHM 1/16W	R2904			5 OHM 1/16W
R2803		RC	10K OHM 1/16W	R2905			5 OHM 1/16W
R2804	R808R9103J	RC	10K OHM 1/16W	R2906			5 OHM 1/16W
R2805		RC	10K OHM 1/16W	R2907			5 OHM 1/16W
R2806 R2808	R808R9103J R808R9471J	RC RC	10K OHM 1/16W 470 OHM 1/16W	R2908 R2909			.7K OHM 1/16W 5 OHM 1/16W
R2809	R808R9151F	RC	150 OHM 1/16W	R2909 R2910			5 OHM 1/16W 5 OHM 1/16W
R2810		RC	4.7K OHM 1/16W	R2911			5 OHM 1/16W
R2811	R808R9103J	RC	10K OHM 1/16W	R2912	R808R9150J	RC 1	5 OHM 1/16W
R2812		RC	4.7K OHM 1/16W	R2913			5 OHM 1/16W
R2813	R808R9102J		1K OHM 1/16W	R2914			5 OHM 1/16W
R2814 R2815	R808R9472J R808R9220J		4.7K OHM 1/16W 22 OHM 1/16W	R2915 R2916	R808R9472J R808R9472J		.7K OHM 1/16W .7K OHM 1/16W
R2816	R808R9472J		4.7K OHM 1/16W	R2917			.7K OHM 1/16W
R2817	R808R9220J		22 OHM 1/16W	R2918			5 OHM 1/16W
R2818	R808R9220J	RC	22 OHM 1/16W	R2919	R808R9150J	RC 1	5 OHM 1/16W
R2819	R808R9220J		22 OHM 1/16W	R2920	R808R9103J		0K OHM 1/16W
R2820	R808R9472J		4.7K OHM 1/16W	R2921	R808R9150J		5 OHM 1/16W
R2821 R2827	R808R9472J R808R9562F		4.7K OHM 1/16W 5.6K OHM 1/16W	R3002 R3003	R808R9433J R808R9102J		3K OHM 1/16W K OHM 1/16W
R2828	R808R9472J		4.7K OHM 1/16W	R3004	R808R9303J		0K OHM 1/16W
R2831	R808R9101F		100 OHM 1/16W	R3005			00K OHM 1/16W
R2832	R808R9390F		39 OHM 1/16W	R3006	R808R9474J		70K OHM 1/16W
R2833	R808R9220F		22 OHM 1/16W	R3007			5K OHM 1/16W
R2834	R808R9120F		12 OHM 1/16W	R3008	R808R9103J		0K OHM 1/16W
R2835 R2838	R808R9100F R808R9472J		10 OHM 1/16W 4.7K OHM 1/16W	R3010 R3013			5K OHM 1/16W 0K OHM 1/16W
R2839	R808R9472J		4.7K OHM 1/16W	R3014			4K OHM 1/16W
R2840	R808R9333J		33K OHM 1/16W	R3016			0K OHM 1/16W
R2841	R808R9150J		15 OHM 1/16W	R3018			.6K OHM 1/16W
R2842	R808R96R8J		6.8 OHM 1/16W	R3019			.3K OHM 1/16W
R2843 R2844	R808R96R8J R808R9101J		6.8 OHM 1/16W	R3020 R3021			K OHM 1/16W
R2844 R2845	R808R9101J		100 OHM 1/16W 100 OHM 1/16W	R3021 R3022			K OHM 1/16W 0K OHM 1/16W
R2846	R808R9101F		100 OHM 1/16W	R3024	R808R9333J		3K OHM 1/16W
R2847	R808R9562F		5.6K OHM 1/16W	R3026	R808R9332J	RC 3	.3K OHM 1/16W
R2848	R808R9103J		10K OHM 1/16W	R3027	R808R9473J		7K OHM 1/16W
R2849	R808R9101J		100 OHM 1/16W	R3028	R808R9433J		3K OHM 1/16W
R2850 R2851	R808R9472J R808R9221J		4.7K OHM 1/16W 220 OHM 1/16W	R3029 R3030	R808R9103J R808R9623J		0K OHM 1/16W 2K OHM 1/16W
R2856	R808R9103J		10K OHM 1/16W	R3032			0K OHM 1/16W
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REF. NO.	PART NO.	DESCRIPT	ION	REF. NO.	PART NO.	DESCRIPT	ION
KLI. NO.	FARTINO.	RESISTORS	1014	KLI . NO.	FARTINO.	RESISTORS	ION
R3033	R808R9123J		12K OHM 1/16W	R3823	R803R9472F		4.7K OHM 1/16W
R3034	R808R9513J	RC	51K OHM 1/16W	R3824	R803R9184J	RC	180K OHM 1/16W
R3040		RC	1K OHM 1/16W	R3825		RC	2.2M OHM 1/10W
R3041	R808R9203J		20K OHM 1/16W	R3826		RC	12K OHM 1/16W
R3042	R808R9273J		27K OHM 1/16W	R3828		RC	22K OHM 1/16W
R3043	R808R9473J		47K OHM 1/16W	R3830		RC	10K OHM 1/4W
R3044 R3045	R808R9753J R808R9473J	RC	75K OHM 1/16W 47K OHM 1/16W	R3831 R3832		RC RC	1K OHM 1/16W 2.2M OHM 1/10W
R3045	R808R9753J		75K OHM 1/16W	R3833		RC	82K OHM 1/10W
R3047	R808R9273J	RC	27K OHM 1/16W	R3834	R803R9103J	RC	10K OHM 1/16W
R3048	R808R9272J	RC	2.7K OHM 1/16W	<u> </u>		R,FUSE	2.2 OHM 1W
R3049	R808R9393J	RC	39K OHM 1/16W	R3836	R002T4100J	RC	10 OHM 1/4W
R3050	R808R9152J	RC	1.5K OHM 1/16W	R3837	R803R9220F	RC	22 OHM 1/16W
R3051	R808R9153J	RC	15K OHM 1/16W	R3838		RC	47 OHM 1/4W
R3052	R808R9302J	RC	3K OHM 1/16W	R3839		RC	10 OHM 1/16W
R3053	R808R9100J	RC	10 OHM 1/16W	R3841	R803R9103J	RC	10K OHM 1/16W
R3055 R3056	R808R9103J R808R9152J	RC	10K OHM 1/16W 1.5K OHM 1/16W	R3842 R3843	R803R9103J R803R9472J	RC RC	10K OHM 1/16W 4.7K OHM 1/16W
R3057	R808R9103J	RC	1.5K OHM 1/16W	R3844		RC	1K OHM 1/16W
R3058	R808R9153J	RC	15K OHM 1/16W	R3845		RC	22 OHM 1/16W
R3059	R808R9102J		1K OHM 1/16W	R3846		RC	1K OHM 1/16W
R3060		RC	10K OHM 1/16W	R3847		RC	330 OHM 1/4W
R3063	R808R9300J	RC	30 OHM 1/16W	R3849		RC	470 OHM 1/4W
R3064		RC	10K OHM 1/16W	R3850		RC	10K OHM 1/16W
R3065	R808R9221J		220 OHM 1/16W	<u>∧</u> R3851		R,METAL OXIDE	0.15 OHM 2W
R3066	R808R9242J	RC	2.4K OHM 1/16W	R3852		RC RC	10K OHM 1/16W
R3069 R3070	R808R9151J R808R9472J		150 OHM 1/16W 4.7K OHM 1/16W	R3853 R3854		RC RC	330K OHM 1/8W 470 OHM 1/16W
R3070	R808R9153J		15K OHM 1/16W	∴ R3855		R,METAL OXIDE	0.15 OHM 2W
R3073	R808R9472J		4.7K OHM 1/16W	R3856		RC	100 OHM 1/16W
R3075	R801R7103J		10K OHM 1/10W	R3857		RC	4.7K OHM 1/16W
R3077	R808R9181J	RC	180 OHM 1/16W	R3859	R803R9103J	RC	10K OHM 1/16W
R3078	R808R9101J	RC	100 OHM 1/16W	R3860	R803R9102J	RC	1K OHM 1/16W
R3079	R808R9330J		33 OHM 1/16W	R3861	R803R9392F		3.9K OHM 1/16W
R3085	R808R9104J		100K OHM 1/16W	R3862		RC	10K OHM 1/16W
R3601	R808R9100J		10 OHM 1/16W	R3863		RC	10K OHM 1/16W
R3602 R3611	R808R9100J R808R9473J	RC RC	10 OHM 1/16W 47K OHM 1/16W	R3865 R3866		RC RC	4.7K OHM 1/4W 220K OHM 1/16W
R3613	R808R9473J	RC	47K OHM 1/16W	R3867	R002T4223J	RC	22K OHM 1/4W
R3615	R808R9473J	RC	47K OHM 1/16W	R3868		RC	4.7K OHM 1/4W
R3616	R808R9152J	RC	1.5K OHM 1/16W	R3869	R002T4561J	RC	560 OHM 1/4W
R3617	R808R9473J	RC	47K OHM 1/16W	R3871	R002T4223J	RC	22K OHM 1/4W
R3618	R808R9152J	RC	1.5K OHM 1/16W	R3872	R002T4472J	RC	4.7K OHM 1/4W
R3619	R808R9302J	RC	3K OHM 1/16W	R3873		RC	10 OHM 1/4W
R3620	R808R9302J	RC	3K OHM 1/16W	R3874		RC	1K OHM 1/4W
R3622 R3623	R808R9472J R808R9472J		4.7K OHM 1/16W 4.7K OHM 1/16W	R3875 R3876	R002T4222J R803R9220F	RC PC	2.2K OHM 1/4W 22 OHM 1/16W
R3624	R808R9102F		1K OHM 1/16W	R4002	R808R9103J		10K OHM 1/16W
R3625	R808R9102F		1K OHM 1/16W	R4004		RC	10K OHM 1/16W
R3627	R808R9473J		47K OHM 1/16W	R4005		RC	150 OHM 1/16W
R3628	R808R9473J		47K OHM 1/16W	R4006		RC	4.7K OHM 1/16W
R3629	R808R9104J	RC	100K OHM 1/16W	R4009	R808R9330J	RC	33 OHM 1/16W
R3632	R808R9472J		4.7K OHM 1/16W	R4014	R808R9153J		15K OHM 1/16W
R3633	R808R9104J		100K OHM 1/16W	R4015	R808R9133F		13K OHM 1/16W
R3644	R808R9302F		3K OHM 1/16W	R4016	R808R9822F		8.2K OHM 1/16W
R3645 R3646	R808R9222F R808R9561F		2.2K OHM 1/16W 560 OHM 1/16W	R4017 R4018	R808R9103J R808R9133F		10K OHM 1/16W 13K OHM 1/16W
R3646 R3801	R808R9561F R803R9184J		180K OHM 1/16W	R4018 R4019	R808R9133F R808R9133F		13K OHM 1/16W 13K OHM 1/16W
R3802	R803R9184J		180K OHM 1/16W	R4019 R4020	R808R9103J		10K OHM 1/16W
/\ R3803	R8X2R8334J		330K OHM 1/8W	R4024	R808R9104J		100K OHM 1/16W
<u>∧</u> R3806	R8X2R8334J		330K OHM 1/8W	R4026	R808R9103J		10K OHM 1/16W
R3807	R803R9223J		22K OHM 1/16W	R4027		RC	33 OHM 1/16W
R3808	R803R9184J		180K OHM 1/16W	R4031	R808R9330J		33 OHM 1/16W
R3809	R803R9184J		180K OHM 1/16W	R4034		RC	10K OHM 1/16W
R3810	R803R9102J		1K OHM 1/16W	R4039	R808R9512J		5.1K OHM 1/16W
R3811	R801R7225J RC31X1126J		2.2M OHM 1/10W 12M OHM 1W	R4040 R4042		RC RC	10K OHM 1/16W 10K OHM 1/16W
<u>∤</u> R3812 R3813	R002T4152J		1.5K OHM 1/4W	R4042 R4043		RC	33 OHM 1/16W
R3814	R801R7275J		2.7M OHM 1/10W	R4043 R4044	R808R9103J		10K OHM 1/16W
R3815	R803R9222J		2.2K OHM 1/16W	R4045		RC	4.7K OHM 1/16W
R3816	R803R9184J		180K OHM 1/16W	R4046	R808R9681F		680 OHM 1/16W
R3817	R803R9184J		180K OHM 1/16W	R4047	R808R9103J		10K OHM 1/16W
R3818	R803R9104J		100K OHM 1/16W	R4050	R808R9103J		10K OHM 1/16W
R3819	R803R9333J		33K OHM 1/16W	R4052	R808R9471J		470 OHM 1/16W
R3820	R803R9203F		20K OHM 1/16W	R4053	R808R9330J		33 OHM 1/16W
R3821	R803R9203F		20K OHM 1/16W	R4054	R808R9330J		33 OHM 1/16W
R3822	R803R9222F	KU	2.2K OHM 1/16W	R4055	R808R96R8J	IKC	6.8 OHM 1/16W

REF. NO.	PART NO.	DESCRIPT	ION	REF. NO.	PART NO.	DESCRIPTION	J
KEI . NO.	TAKT NO.	RESISTORS	ION	KLI . NO.	PARTINO.	RESISTORS	<b>'</b>
R4056	R808R9100J		10 OHM 1/16W	R7042	R803R9100J	RC 10	OHM 1/16W
R4057	R808R9680J	RC	68 OHM 1/16W	R7044	R803R9100J	RC 10	OHM 1/16W
R4059	R808R9750F		75 OHM 1/16W	R7045			K OHM 1/16W
R4060	R808R9750F		75 OHM 1/16W	R7046			K OHM 1/16W
R4061 R4062	R808R9750F R808R9750F		75 OHM 1/16W 75 OHM 1/16W	R7047 R7048			COHM 1/16W COHM 1/16W
R4062 R4066	R808R9330J		33 OHM 1/16W	R7048			K OHW 1/16W K OHM 1/16W
R4201	R803R7101J		100 OHM 1/10W	R7050			C OHM 1/16W
R4202	R803R7101J		100 OHM 1/10W	R7051			K OHM 1/16W
R4203	R803R7101J	RC	100 OHM 1/10W	R7052	R803R9473J	RC 47	K OHM 1/16W
R4204	R801R7750J		75 OHM 1/10W	R7053			K OHM 1/16W
R4205		RC	75 OHM 1/10W	R7054			K OHM 1/16W
R4206		RC	75 OHM 1/10W	R7057			C OHM 1/16W
R4207 R4208	R808R9472J R808R9472J	RC RC	4.7K OHM 1/16W 4.7K OHM 1/16W	R7058 R7059			COHM 1/16W COHM 1/16W
R4209	R808R9472J	RC	4.7K OHM 1/16W	R7060			C OHM 1/16W
R4210		RC	75 OHM 1/16W	R7061			K OHM 1/16W
R4211	R808R9472J	RC	4.7K OHM 1/16W	R7062	R803R9473J	RC 47	K OHM 1/16W
R4212	R808R9750J	RC	75 OHM 1/16W	R7063		RC 47	K OHM 1/16W
R4213	R808R9104J	RC	100K OHM 1/16W	R7064			K OHM 1/16W
R4214		RC	68 OHM 1/16W	R7067			O OHM 1/4W
R4215 R4216		RC RC	220 OHM 1/16W 1.5K OHM 1/16W	R7068 R7069		RC 686	O OHM 1/4W O OHM 1/4W
R4210		RC	3.3K OHM 1/16W	R7009			O OHM 1/4W
R4218		RC	2.2K OHM 1/16W	R7070		RC 68	
R4252		RC	10K OHM 1/16W	R7072		RC 68	
R4254	R808R9103J	RC	10K OHM 1/16W	R7073	R002T4681J	RC 68	OHM 1/4W
R4311	R808R9472J		4.7K OHM 1/16W	R7074			OHM 1/4W
R4312		RC	4.7K OHM 1/16W	R7075		RC 68	
R4316	R803R7153J		15K OHM 1/10W	R7076		RC 68	
R4317 R4318	R803R7153J R808R9682J	RC	15K OHM 1/10W 6.8K OHM 1/16W	R7077 R7078		RC 686	
R4319	R808R9682J	RC	6.8K OHM 1/16W	R7079		RC 68	
R5801	R808R9121J		120 OHM 1/16W	R7080		RC 68	
R5802	R808R9200J	RC	20 OHM 1/16W	R7081	R002T4681J	RC 686	O OHM 1/4W
R5803	R808R9470J	RC	47 OHM 1/16W	R7082	R002T4681J	RC 686	O OHM 1/4W
R5812	R808R9222J	RC	2.2K OHM 1/16W	R7606			O OHM 1/16W
R5814	R808R9332J	RC	3.3K OHM 1/16W	R7607		RC 39	
R5815 R5817	R808R9332J R808R9682J	RC RC	3.3K OHM 1/16W 6.8K OHM 1/16W	R8101 R8102		RC 75	OHM 1/10W OK OHM 1/16W
R5818		RC	100 OHM 1/16W	R8103		RC 75	OHM 1/10W
R5819		RC	22 OHM 1/16W	R8104		RC 75	OHM 1/10W
R6207	R808R9103J	RC	10K OHM 1/16W	R8105	R803R9330J	RC 33	OHM 1/16W
R6501	R808R9101J	RC	100 OHM 1/16W	R8106		RC 10	OK OHM 1/16W
R6502	R808R9101J	RC	100 OHM 1/16W	R8107		RC 75	OHM 1/10W
R7002	R803R9102J		1K OHM 1/16W	R8108			OHM 1/16W
R7003 R7006	R002T4102J R803R9154J		1K OHM 1/4W 150K OHM 1/16W	R8109 R8110	R801R7153J R803R9561J		OHM 1/10W OHM 1/16W
R7008	R803R9113F		11K OHM 1/16W	R8111	R803R9330J		OHM 1/16W
R7009	R803R9564J		560K OHM 1/16W	R8112	R801R7153J		K OHM 1/10W
R7010	R803R9182F		1.8K OHM 1/16W	R8113	R801R7101J		OHM 1/10W
R7011	R803R9681F	RC	680 OHM 1/16W	R8114	R801R7101J	RC 10	O OHM 1/10W
R7014	R4K1T4472F		4.7K OHM 1/4W	R8115	R801R7153J		C OHM 1/10W
R7015	R4K1T4104F	, , , , , , , , , , , , , , , , , , ,	100K OHM 1/4W	R8116	R801R7153J		C OHM 1/10W
R7016 R7017	R803R9472F R803R9472F		4.7K OHM 1/16W 4.7K OHM 1/16W	R8118 R8119	R801R7101J R801R7101J		O OHM 1/10W O OHM 1/10W
R7017 R7018	R803R9472F		4.7K OHM 1/16W	R8120	R803R9682J		K OHM 1/16W
R7019	R803R9472F		4.7K OHM 1/16W	R8121	R801R7750J		OHM 1/10W
R7020	R803R9472F	RC	4.7K OHM 1/16W	R8122	R803R9222J		K OHM 1/16W
R7021	R803R9472F		4.7K OHM 1/16W	R8123			K OHM 1/16W
R7022	R803R9472F		4.7K OHM 1/16W	R8124	R803R9682J		K OHM 1/16W
R7023	R803R9472F		4.7K OHM 1/16W	R8125	R803R9222J R803R9682J		K OHM 1/16W
R7025 R7027	R803R9185J R803R9913F		1.8M OHM 1/16W 91K OHM 1/16W	R8126 R8127			K OHM 1/16W K OHM 1/16W
R7027	R803R9104J		100K OHM 1/16W	R8128			O OHM 1/10W
R7030	R4K1T4104F		100K OHM 1/4W	R8130			OHM 1/16W
R7031	R803R9123F	RC	12K OHM 1/16W	R8131	R803R9102J	RC 1K	OHM 1/16W
R7032	R803R9471F		470 OHM 1/16W	R8132			K OHM 1/16W
R7033	R803R9222J		2.2K OHM 1/16W	R8133	R803R9103J		C OHM 1/16W
R7034	R803R9222J		2.2K OHM 1/16W	R8134			OHM 1/16W
R7035 R7036	R803R9103J R803R9103J		10K OHM 1/16W 10K OHM 1/16W	R8135 R8137	R803R9472J R803R9102J		OHM 1/16W OHM 1/16W
R7036 R7037	R803R9104J		100K OHM 1/16W	R8138	R803R9153J		CHM 1/16W COHM 1/16W
R7038	R803R9222J		2.2K OHM 1/16W	R8140	R803R9102J		OHM 1/16W
R7039	R803R9100J		10 OHM 1/16W	R8141	R803R9102J		OHM 1/16W
R7040	R803R9104J		100K OHM 1/16W	R8142	R803R9334J		OK OHM 1/16W
R7041	R803R9100J	RC	10 OHM 1/16W	R8143	R803R9683J	RC 68	K OHM 1/16W

MINIALA MINIMENDRAL   MC	REF. NO.	PART NO.	DESCRIPT	ION	REF. NO.	PART NO.	DESCRIPT	ION
Real-64    Real-64-R	KEI . NO.	TAKT NO.	•	ION	KEI . NO.	TAKT NO.		1014
Real	R8144	R803R9334J		330K OHM 1/16W	C2307	CS0UB0315K		0.1 UF 25V B
Restor   R								
Responsibility   Resp	R8146	R803R9222J	RC	2.2K OHM 1/16W	C2309	CS0UCH412J	cc	100 PF 50V CH
RRSSO	R8501	R808R9100J	RC	10 OHM 1/16W	C2310	CS0UB0413K	cc	0.001 UF 50V B
R8005   R80869034   RC	R8502			10 OHM 1/16W				
Respon   Responsibility   C								
Response								
R8600   R86682221   RC								
R86910   R868R3024   RC								
R8510   R8668602   RC								
Rest    Rest  Re								
Rest								
R8516   R808R8703   RC								
R8516   R808R8703J   RC   33 CMM 1/19W   C2334   CSUUDA142   CC   CD   O PF 50V CH   R8522   R808R8223J   RC   22C CMM 1/19W   C2335   CSUUCH412   CC   100 PF 50V CH   R8522   R808R8223J   RC   22C CMM 1/19W   C2336   CSUUCH412   CC   100 PF 50V CH   R8523   R808R823J   RC   22C CMM 1/19W   C2336   CSUUCH412   CC   100 PF 50V CH   R8524   R808R823J   RC   22C CMM 1/19W   C2336   CSUUCH412   CC   CC   CC   CC   CC   CC   CC								
R8952   R896R82331   RC	R8516							
R8525 R808R8221J RC 220 CHM 1/16W C239B C50UB9318K CC 0.1 UF 10V B R8568 R808R8221J RC 220 CHM 1/16W C239B C50UB9318K CC 0.1 UF 10V B R8567 R808R821J RC 220 CHM 1/16W C289B C50UB9318K CC 0.0 OF UF 16V B R857 R808R821J RC 10K CHM 1/16W C289B C50UB9314K CC 27 PF 50V CH R857 R8527 R808R8103J RC 10K CHM 1/16W C289B C50UB9314K CC 27 PF 50V CH R8558 R808R8103J RC 10K CHM 1/16W C289B C50UB9314K CC 0.0 00 UF 16V B R8558 R808R8103J RC 10K CHM 1/16W C289B C50UB9314K CC 0.0 00 UF 50V B R8558 R808R8103J RC 10K CHM 1/16W C289B R8559 R808R817E RC 470 CHM 1/16W C289B R8559 R808R874TE RC 470 CHM 1/16W C289B R8559 R808R874TE RC 470 CHM 1/16W C289B C50UB98N18K CC 0.1 UF 10V B R8554 R808R858 JR R808R8756 CC 0.1 UF 10V B C289B C50UB98N18K CC 0.1 UF 10V B R8554 R808R856 JR R808R856 CC 0.1 UF 10V B C289B C50UB98N18K CC 0.1 UF 10V B C28B C50UB98N18K CC 0.1 UF 10V	R8519	R808R9330J	RC	33 OHM 1/16W	C2334	CS0UCH412J	cc	
R8526   R808R8221J   RC	R8522	R808R9223J	RC	22K OHM 1/16W	C2335	CS0UCH412J	cc	100 PF 50V CH
RRS527   RRS538   RRS681031   RC	R8523	R808R9223J	RC	22K OHM 1/16W	C2336	CS0UB0315K	cc	0.1 UF 25V B
R8551   R86891033   RC	R8525				C2801	CS0UB0N15K	cc	0.1 UF 10V B
R8553   R808R9103.   RC								
R8533   R808R91031   RC								
R8534   R803893930   RC								
R8555 R808R9103J RC 10K OHM 1/16W C2815 CS0/PB0N16K CC 1 UF 10V B R8558 R808R9103J RC 5KC 5KC OHM 1/16W C2815 CS0/PB0N16K CC 1 UF 10V B R8558 R808R947/F RC 4/70 OHM 1/16W C2815 CS0/PB0N16K CC 0.1 UF 10V B R8559 R808R947/F RC 4/70 OHM 1/16W C2817 CS0/PB0N16K CC 0.1 UF 10V B R8559 R808R947/F RC 4/70 OHM 1/16W C2817 CS0/PB0N16K CC 0.1 UF 10V B R8559 R808R947/F RC 4/70 OHM 1/16W C2817 CS0/PB0N16K CC 0.1 UF 10V B R8554 R808R947/F RC 4/70 OHM 1/16W C2817 CS0/PB0N16K CC 0.1 UF 10V B R8541 R808R947/F RC 6/80 OHM 1/16W C2817 CS0/PB0N16K CC 0.1 UF 10V B R8541 R808R947/F RC 6/80 OHM 1/16W C2819 CS0/PB0N16K CC 0.1 UF 10V B R8541 R808R947/F RC 6/80 OHM 1/16W C2819 CS0/PB0N16K CC 0.1 UF 10V B R8541 R808R9402J RC 10 OHM 1/16W C2829 CS0/PB0N16K CC 0.1 UF 10V B R8541 R81/FZR787/J RC CAPACITORS CAPA								
R8558 R808R9632F RC 5.6K O-M 1/16W C2816 (SUBBON16K CC 0.1 UF 10V B R8538 R808R9632F RC 5.6K O-M 1/16W C2816 (SUBBON16K CC 0.1 UF 10V B R8539 R808R9632F RC 4.7K O-M 1/16W C2816 (SUBBON16K CC 0.1 UF 10V B R8540 R808R9472F RC 4.7K O-M 1/16W C2816 (SUBBON16K CC 0.1 UF 10V B R8541 R803R9810 JRC 860 O-M 1/16W C2816 (SUBBON16K CC 0.1 UF 10V B R8543 R808R9100 JRC 10 O-M 1/16W C2816 (SUBBON16K CC 0.1 UF 10V B R8543 R808R9100 JRC 11 O-M 1/16W C2810 (SUBBON16K CC 0.1 UF 10V B R8543 R808R9100 JRC 11 O-M 1/16W C2810 (SUBBON16K CC 0.1 UF 10V B R8543 R808R9100 JRC 11 O-M 1/16W C2810 (SUBBON16K CC 0.1 UF 10V B R8543 R808R9100 JRC 11 O-M 1/16W C2810 (SUBBON16K CC 0.1 UF 10V B R8544 R812R2R471 JRC 0.47 O-M 1/29W C2810 (SUBBON16K CC 0.1 UF 10V B C2810 CC 0								
R8538   R808R987E   RC   5.6K OHM 1/16W   C2815   C30UBDN15K   CC   0.1 UF 10V B   R8539   R808R947E   RC   4.7K OHM 1/16W   C2815   C30PBDN15K   CC   0.1 UF 10V B   R8544   R808R947E   RC   680 OHM 1/16W   C2815   C30PBDN15K   CC   0.1 UF 10V B   R8542   R808R910U   RC   10 OHM 1/16W   C2815   C30PBDN15K   CC   0.1 UF 10V B   R8543   R808R910U   RC   10 OHM 1/16W   C2815   C30PBDN15K   CC   0.1 UF 10V B   R8544   R81ZR2R7J   RC   0.47 OHM 1/2W   C2821   C30UBDN15K   CC   0.1 UF 10V B   R8544   R81ZR2R7J   RC   0.47 OHM 1/2W   C2821   C30UBDN15K   CC   0.1 UF 10V B   C30UBDN15K   CC   0.								
R8599 R08R947F RC 470 OHM 1/16W C2819 CSUUBDNISK CC 1 UF 10V B R8441 R803R9861 JRC 860 OHM 1/16W C2819 CSUUBDNISK CC 0.1 UF 10V B R8442 R803R9861 JRC 10 OHM 1/16W C2819 CSUUBDNISK CC 0.1 UF 10V B R8543 R808R9102J JRC 11 OHM 1/16W C2820 CSUUBDNISK CC 0.1 UF 10V B R8543 R808R9102J JRC 11 OHM 1/16W C2820 CSUUBDNISK CC 0.1 UF 10V B R8543 R808R9102J JRC 11 VF 10W B C2820 CSUUBDNISK CC 0.1 UF 10V B C2820 CSUUBDNISK CC 0.1 UF 10V B C2821 CSUUBDNISK CC 0.1 UF 10V B C2822 CSUUBDNISK CC 0.1 UF 10V B C2824 CSUUBDNISK CC 0.1 UF 10V B C2826 CSUUBDNISK CC 0.1 UF 10V B								
R88401         R808R8412E         RC         4.7K OHM 1/16W         C2818         CSUDION15K (CC         0.1 UF 10W B           R8421         R808R9100J         RC         10 OHM 1/16W         C2818         CSUDION15K (CC         0.1 UF 10W B           R8542         R808R9100J         RC         10 OHM 1/16W         C2820         CSUDION15K (CC         0.1 UF 10W B           R8544         R812R2R47J (RC         10 OHM 1/16W         C2820         CSUDION15K (CC         0.1 UF 10W B           C300         CS06P80315K (CC         0.1 UF 25W B         C2822         CS06P8015K (CC         1 UF 10W B           C301         CS06P80315K (CC         0.1 UF 25W B         C2822         CS06P8016K (CC         1 UF 10W B           C304         CS06P80315K (CC         0.1 UF 25W B         C2825         CS08D8016K (CC         0.1 UF 10W B           C306         CS06P80415K (CC         0.0 OH UF 25W B         C2826         CS08D8016K (CC         0.1 UF 10W B           C306         CS06P80415K (CC         0.1 UF 25W B         C2826         CS08D8016K (CC         0.1 UF 10W B           C307         CS06P80416K (CC         0.1 UF 25W B         C2829         CS08D8016K (CC         0.1 UF 10W B           C308         CS06P80416K (CC         0.1 UF 25W B         <								
R85411         R80SR9810J RC         89 OHM 1/16W         C2819         CSOUBON15K (C         0.1 UF 10V B           R8543         R80BR910JZ RC         1K OHM 1/16W         C2819         CSOUBON15K (C         0.1 UF 10V B           R8544         R81ZR2R47J RC         1K OHM 1/16W         C2820         CSOUBON15K (C         0.1 UF 10V B           CAPACITORS           CAPACITORS           C300         CS0PB0315K (C         0.1 UF 10V B         C2821         CS0DB0015K (C         1 UF 10V B           C300         CS0PB0315K (C         0.1 UF 16V B         C2824         CS0PB0N16K (C         1 UF 10V B           C300         CS0PB0315K (C         0.1 UF 25V B         C2826         CS0UB0N15K (C         0.1 UF 10V B           C301         CS0PB0315K (C         0.0 UF 50V B         C2826         CS0UB0N15K (C         0.1 UF 10V B           C306         CS0PB0315K (C         0.0 AT VE 50V B         C2826         CS0UB0N15K (C         0.1 UF 10V B           C307         CS0BP0316K (C         0.4 TU 55V B         C2828         CS0UB0N15K (C         0.1 UF 10V B           C308         CS0PB0316K (C         0.4 TU 55V B         C2836         CS0UB0N15K (C         0.1 UF 10V B           C309         CS0PB03								
R85422         R808R9100JJ RC         10 OHM 1/16W         C2819         CSUDRANTSK CC         0.1 UF 10V B           R8544         R812R2R27J RC         0.47 OHM 1/2W         C2820         CSUDRANTSK CC         0.1 UF 10V B           C900         C\$00R0316K CC         0.1 UF 26V B         C2821         CSUDRANTSK CC         0.1 UF 10V B           C301         C\$00R0316K CC         0.1 UF 26V B         C2822         CSOPB0NHSK CC         1 UF 10V B           C302         C\$00R0316K CC         0.1 UF 26V B         C2823         CSOPB0NHSK CC         1 UF 10V B           C304         C\$00R0316K CC         0.01 UF 26V B         C2826         CSUBRONISK CC         0.1 UF 10V B           C306         C\$00R0316K CC         0.00 UF 26V B         C2826         CSUBRONISK CC         0.1 UF 10V B           C306         C\$06P8014K CC         0.4 UF 50V B         C2826         CSUBRONISK CC         0.1 UF 10V B           C307         C\$06P8014K CC         0.4 UF 50V B         C2826         CSUBRONISK CC         0.1 UF 10V B           C308         C\$06P8014K CC         0.4 UF 50V B         C2829         CSUBRONISK CC         0.1 UF 10V B           C309         C\$08P80316K CC         0.1 UF 26V B         C2830         CSUBRONISK CC         0.1 UF 10V B								
R8544 R898R9102J RC 1K OHM 1/19W C2820 CSUBON19K CC 0.1 UF 10V B R8544 R8544 R3T2R3R47 JR CC 0.47 OHM 12W C2821 CSUBON19K CC 0.1 UF 10V B C2821 CSUBON19K CC 0.1 UF 10V B C2821 CSUBON19K CC 1.1 UF 10V B C2822 CSOPBON19K CC 1.1 UF 10V B C2825 CSUBON19K CC 1.1 UF 10V B C2826 CSUBON19K CC								
C390								
C3001         CSOPPEDISTIK CC         0.1         UZ 19V B         C2823         CSOPPEDISTIK CC         0.1         UZ 19V B         C2824         CSOPPEDISTIK CC         0.1         UZ 19V B         C2825         CSOPBEDISTIK CC         0.1         UZ 19V B         C2825         CSOPBEDISTIK CC         0.1         UZ 10V B         CSOBBEDISTIK CC         0.1         UZ 10V B	R8544		RC	0.47 OHM 1/2W		CS0UB0N15K		
C301         CSOPB0215K   CC         0.1 UP 16V B         C2824         CSOPB0215K   CC         0.1 UP 16V B           C302         CSOPB0215K   CC         0.1 UP 16V B         C2826         CSOUB0N15K   CC         0.1 UP 10V B           C304         CSOPB0413K   CC         0.004 TJF 50V B         C2827         CSOUB0N15K   CC         0.1 UP 10V B           C306         CSOPB0403K   CC         0.1 UP 25V B         C2827         CSOUB0N15K   CC         0.1 UP 10V B           C307         CSORB040GK   CC         0.47 UF 50V B         C2829         CSUUB0N15K   CC         0.1 UP 10V B           C308         CSOPE041LUZ   CC         680 PF 50V CH         C2830         CSOUB0N15K   CC         0.1 UP 10V B           C309         CSOPB0316K   CC         1 UF 25V B         C2831         CSOUB0N15K   CC         0.1 UP 10V B           C311         CSOPB0315K   CC         0.1 UP 25V B         C2833         CSOUB0N15K   CC         0.1 UF 16V B           C312         CSOPB0315K   CC         0.1 UP 25V B         C2834         CSOUB0N15K   CC         0.1 UF 16V B           C315         CSOPB0315K   CC         0.1 UP 25V B         C2836         CSOBB0917K   CC         0.1 UF 16V B           C316         CSOPB0315K   CC         0.1 UP 25V B         C2836         CSOBB0917K					C2822	CS0PB0N16K	cc	1 UF 10V B
C302         CSOPE0015K   CC         0.1 UF 25V B         C2825         CSOUBON15K   CC         0.1 UF 10V B           C304         CSOPE0403K   CC         0.001 UF 50V B         C2826         CSOUBON15K   CC         0.1 UF 10V B           C306         CSOPE0403K   CC         0.1 UF 25V B         C2827         CSOUBON15K   CC         0.1 UF 10V B           C307         CSORBACHER   CC         0.47 UF 50V B         C2829         CSOUBON15K   CC         0.1 UF 10V B           C308         CSOPE0418K   CC         0.47 UF 50V B         C2829         CSOUBON15K   CC         0.1 UF 10V B           C309         CSOPE0416K   CC         1 UF 25V B         C2831         CSOUBON15K   CC         0.1 UF 10V B           C310         CSOPE0416K   CC         1 UF 25V B         C2832         CSOUBON15K   CC         0.1 UF 10V B           C312         CSOPE0415K   CC         0.1 UF 25V B         C2834         CSOUBON15K   CC         0.1 UF 16V B           C315         CSOPE0415K   CC         0.1 UF 25V B         C2834         CSOUBON15K   CC         0.1 UF 16V B           C316         CSOPE0415K   CC         0.1 UF 25V B         C2837         CSOUBON15K   CC         0.1 UF 10V B           C317         CSOPE0415K   CC         0.1 UF 50V B         C2846         CSOUBON15K   C	C300	CS0PB0315K	cc	0.1 UF 25V B	C2823	CS0PB0N16K	cc	1 UF 10V B
C304         CSOPBBA13K C         0.001 UF 50V B         C2826         CSOUBON15K CC         0.1 UF 10V B           C306         CSOPBBA03K C         0.0047UF 50V B         C2828         CSOUBON15K CC         0.1 UF 10V B           C306         CSOPBBA04GK C         0.1 UF 26V B         C2828         CSOUBON15K CC         0.1 UF 10V B           C307         CSORBO4GK C         0.47 UF 50V B         C2829         CSOUBON15K CC         0.1 UF 10V B           C308         CSOPB0316K C         1 UF 26V B         C2831         CSOUBON15K CC         0.1 UF 10V B           C310         CSOPB0316K C         1 UF 26V B         C2831         CSOUBON15K CC         0.1 UF 10V B           C311         CSOPB0316K C         0.1 UF 25V B         C2831         CSOUBON15K CC         0.1 UF 10V B           C312         CSOPB0316K C         0.1 UF 25V B         C2834         CSOUBON15K CC         0.01 UF 16V B           C313         CSOPB0316K C         0.1 UF 25V B         C2836         CSOUBON15K CC         0.01 UF 16V B           C315         CSOPB0316K C         0.1 UF 25V B         C2836         CSOUBON15K CC         0.1 UF 10V B           C316         CSOPB0316K C         0.1 UF 25V B         C2836         CSOUBON15K CC         0.1 UF 10V B      <	C301			0.1 UF 16V B	C2824			1 UF 10V B
C305         CSOPBOACOX CC         0.0047UF 50V B         C2827         CSOUBON15K CC         0.1 UF 10V B           C306         CSOPBOACOX CC         0.47 UF 50V B         C2829         CSOUBON15K CC         0.1 UF 10V B           C307         CSORBAGEK         CC         0.47 UF 50V B         C2829         CSOUBON15K CC         0.1 UF 10V B           C309         CSOPBOA16K CC         1 UF 25V B         C2831         CSOUBON15K CC         0.1 UF 10V B           C310         CSOPBOA16K CC         1 UF 25V B         C2832         CSOUBON15K CC         0.1 UF 10V B           C311         CSOPBOA16K CC         0.1 UF 25V B         C2832         CSOUBON15K CC         0.1 UF 10V B           C312         CSOPBOA16K CC         0.1 UF 25V B         C2832         CSOUBON15K CC         0.1 UF 10V B           C312         CSOPBOA16K CC         0.1 UF 25V B         C2834         CSOUBON15K CC         0.1 UF 10V B           C313         CSTEST347/IM CE         470 UF 25V B         C2831         CSOUBON15K CC         0.1 UF 10V B           C316         CSOPBOA15K CC         0.1 UF 25V B         C2837         CSOUBON15K CC         0.1 UF 10V B           C317         CSOPBOA15K CC         0.1 UF 25V B         C2839         CSOUBON15K CC         0.1 UF								
C306   C30PB0315K   CC								
C307   C\$0RBAGEK   CC								
G388   C30PCHAUZJ   CC								
C309         CS0PB0316K         CC         1         UF 25V B         C2831         CS0UB0N15K         CC         0.1         UF 10V B           C310         CS0PB0316K         CC         0.1         UF 25V B         C2832         CS0UB0N15K         CC         0.01         UF 10V B           C312         CS0PB0315K         CC         0.1         UF 25V B         C2834         CS0UB0N15K         CC         0.1         UF 10V B           C313         CS0PB0315K         CC         0.1         UF 25V B         C2836         CS0MB0N15K         CC         0.1         UF 10V B           C316         CS0PB0315K         CC         0.1         UF 25V B         C2837         CS0UB0N15K         CC         0.1         UF 10V B           C317         CS0PB0315K         CC         0.1         UF 25V B         C2837         CS0UB0N15K         CC         0.1         UF 10V B           C317         CS0PB0415K         CC         0.1         UF 50V B         C2839         CS0UB0N15K         CC         0.1         UF 10V B           C318         CS0PB0415K         CC         0.1         UF 50V B         C2841         CS0UB0N15K         CC         0.1         UF 63V B								
C310   CSOPB0316K   CC								
C311   CSOPB0315K   CC								
C312   CSOPB0315K   CC								
C313   E7EST471M   CE								
C316   CSOPB0315K   CC								
C317								
C318	C316	CS0PB0315K	cc	0.1 UF 25V B	C2838	CS0UB0N15K	cc	0.1 UF 10V B
C319	C317	CS0PB04L2K	CC	330 PF 50V B	C2839	CS0UB0N15K	cc	0.1 UF 10V B
C320	C318							
C321								
C322         CS0PB0415K         CC         0.1         UF 50V B         C2844         CS0UB0N15K         CC         0.1         UF 10V B           C323         CS0PB0415K         CC         0.1         UF 50V B         C2846         CS0UB0N15K         CC         0.1         UF 10V B           C324         CS0PB0415K         CC         0.1         UF 50V B         C2847         CS0UB0N15K         CC         0.1         UF 10V B           C326         CS0PB0415K         CC         0.1         UF 50V B         C2847         CS0UB0N15K         CC         0.1         UF 10V B           C326         CS0PB0413K         CC         0.001 UF 50V B         C2848         CS0RB0PH7M         CC         22         UF 6.3V B           C327         CS0PB0413K         CC         0.001 UF 50V B         C2850         CS0UB0N15K         CC         0.1         UF 10V B           C328         CS0PB0413K         CC         0.001 UF 50V B         C2850         CS0UB0N15K         CC         0.1         UF 10V B           C330         CS0PB0413K         CC         0.001 UF 50V B         C2856         CS0UB0N15K         CC         0.1         UF 10V B           C331         CS0PB0413K								
C323         CS0PB0415K         CC         0.1 UF 50V B         C2845         CS0UB0N15K         CC         0.1 UF 10V B           C324         CS0PB0415K         CC         0.1 UF 50V B         C2846         CS0UB0N15K         CC         0.1 UF 10V B           C326         CS0PB0415K         CC         0.1 UF 50V B         C2847         CS0UB0N15K         CC         0.1 UF 10V B           C326         CS0PB0413K         CC         0.01 UF 50V B         C2848         CS0RB0PH7M         CC         2.2 UF 6.3V B           C328         CS0PB0413K         CC         0.001 UF 50V B         C2849         CS0UB0N15K         CC         0.1 UF 10V B           C329         CS0PB0413K         CC         0.001 UF 50V B         C2850         CS0UB0N15K         CC         0.1 UF 10V B           C330         CS0PB0413K         CC         0.001 UF 50V B         C2855         CS0UB0N15K         CC         0.1 UF 10V B           C331         CS0PB0413K         CC         0.001 UF 50V B         C2856         CS0UB0N15K         CC         0.1 UF 10V B           C332         CS0PB0413K         CC         0.001 UF 50V B         C2856         CS0UB0N15K         CC         0.1 UF 10V B           C333         CS0PB041								
C324         CSOPB0415K         CC         0.1         UF 50V B         C2846         CS0UB0N15K         CC         0.1         UF 10V B           C326         CSOPB0415K         CC         0.1         UF 50V B         C2847         CS0UB0N15K         CC         0.1         UF 10V B           C326         CSOPB0413K         CC         0.1         UF 50V B         C2848         CSORB0PH7M         CC         22         UF 6.3V B           C328         CSOPB0413K         CC         0.001 UF 50V B         C2850         CS0UB0N15K         CC         0.1         UF 10V B           C329         CSOPB0413K         CC         0.001 UF 50V B         C2855         CS0UB0N15K         CC         0.1         UF 10V B           C330         CSOPB0413K         CC         0.001 UF 50V B         C2856         CS0UB0N15K         CC         0.1         UF 10V B           C331         CSOPB0413K         CC         0.001 UF 50V B         C2856         CS0UB0N15K         CC         0.1         UF 10V B           C332         CSOPB0413K         CC         0.001 UF 50V B         C2856         CS0UB0N15K         CC         0.1         UF 10V B           C332         CSOPB0413K         CC								
C325         CSOPB0415K         CC         0.1 UF 50V B         C2847         CS0UB0N15K         CC         0.1 UF 10V B           C326         CSOPB0415K         CC         0.1 UF 50V B         C2848         CS0RB0PH7M         CC         22 UF 6.3V B           C327         CSOPB0413K         CC         0.001 UF 50V B         C2849         CS0UB0N15K         CC         0.1 UF 10V B           C328         CSOPB0413K         CC         0.001 UF 50V B         C2850         CS0UB0N15K         CC         0.1 UF 10V B           C329         CSOPB0413K         CC         0.001 UF 50V B         C2856         CS0UB0N15K         CC         0.1 UF 10V B           C330         CSOPB0413K         CC         0.001 UF 50V B         C2856         CS0UB0N15K         CC         0.1 UF 10V B           C331         CSOPB0413K         CC         0.001 UF 50V B         C2857         CS0UB0N15K         CC         0.1 UF 10V B           C332         CSOPB0413K         CC         0.001 UF 50V B         C2858         CS0UB0N15K         CC         0.1 UF 10V B           C333         CSORB04Q5K         CC         0.47 UF 50V B         C2859         CS0UB0N15K         CC         0.1 UF 10V B           C335         CSOPCH4								
C326         CS0PB0415K         CC         0.1         UF 50V B         C2848         CS0RB0PH7M         CC         22         UF 6.3V B           C327         CS0PB0413K         CC         0.001 UF 50V B         C2849         CS0UB0N15K         CC         0.1         UF 10V B           C328         CS0PB0413K         CC         0.001 UF 50V B         C2850         CS0UB0N15K         CC         0.1         UF 10V B           C330         CS0PB0413K         CC         0.001 UF 50V B         C2855         CS0UB0N15K         CC         0.1         UF 10V B           C331         CS0PB0413K         CC         0.001 UF 50V B         C2856         CS0UB0N15K         CC         0.1         UF 10V B           C332         CS0PB0413K         CC         0.001 UF 50V B         C2857         CS0UB0N15K         CC         0.1         UF 10V B           C332         CS0PB0413K         CC         0.001 UF 50V B         C2858         CS0UB0N15K         CC         0.1         UF 10V B           C333         CS0RB04GSK         CC         0.47 UF 50V B         C2859         CS0UB0N15K         CC         0.1         UF 10V B           C335         CS0RB04GSK         CC         0.47 UF 50V B								
C327         CS0PB0413K         CC         0.001 UF 50V B         C2849         CS0UB0N15K         CC         0.1 UF 10V B           C328         CS0PB0413K         CC         0.001 UF 50V B         C2850         CS0UB0N15K         CC         0.1 UF 10V B           C329         CS0PB0413K         CC         0.001 UF 50V B         C2855         CS0UB0N15K         CC         0.1 UF 10V B           C330         CS0PB0413K         CC         0.001 UF 50V B         C2856         CS0UB0N15K         CC         0.1 UF 10V B           C331         CS0PB0413K         CC         0.001 UF 50V B         C2857         CS0UB0N15K         CC         0.1 UF 10V B           C332         CS0PB0413K         CC         0.001 UF 50V B         C2858         CS0UB0N15K         CC         0.1 UF 10V B           C332         CS0PB0413K         CC         0.001 UF 50V B         C2857         CS0UB0N15K         CC         0.1 UF 10V B           C333         CS0RB04Q5K         CC         0.47 UF 50V B         C2859         CS0UB0N15K         CC         0.1 UF 10V B           C335         CS0PCH4Q1J         CC         47 PF 50V CH         C2860         CS0RB0N17K         CC         0.1 UF 10V B           C2204         CS0RB								
C328         CS0PB0413K         CC         0.001 UF 50V B         C2850         CS0UB0N15K         CC         0.1 UF 10V B           C329         CS0PB0413K         CC         0.001 UF 50V B         C2855         CS0UB0N15K         CC         0.1 UF 10V B           C330         CS0PB0413K         CC         0.001 UF 50V B         C2856         CS0UB0N15K         CC         0.1 UF 10V B           C331         CS0PB0413K         CC         0.001 UF 50V B         C2857         CS0UB0N15K         CC         0.1 UF 10V B           C332         CS0PB0413K         CC         0.001 UF 50V B         C2857         CS0UB0N15K         CC         0.1 UF 10V B           C332         CS0PB0413K         CC         0.47 UF 50V B         C2858         CS0UB0N15K         CC         0.1 UF 10V B           C333         CS0RB0405K         CC         0.47 UF 50V B         C2859         CS0UB0N15K         CC         0.1 UF 10V B           C335         CS0PCH4Q1J         CC         47 PF 50V CH         C2860         CS0RB0N17K         CC         0.1 UF 10V B           C2204         CS0RB0PH7M         CC         22 UF 6.3V B         C2862         CS0UB0N15K         CC         0.1 UF 10V B           C2205         CS0RB0P								
C329         CS0PB0413K         CC         0.001 UF 50V B         C2855         CS0UB0N15K         CC         0.1 UF 10V B           C330         CS0PB0413K         CC         0.001 UF 50V B         C2856         CS0UB0N15K         CC         0.1 UF 10V B           C331         CS0PB0413K         CC         0.001 UF 50V B         C2857         CS0UB0N15K         CC         0.1 UF 10V B           C332         CS0PB0413K         CC         0.001 UF 50V B         C2858         CS0UB0N15K         CC         0.1 UF 10V B           C333         CS0RB04Q5K         CC         0.47 UF 50V B         C2859         CS0UB0N15K         CC         0.1 UF 10V B           C335         CS0PCH4Q1J         CC         47 PF 50V CH         C2860         CS0RB0N17K         CC         10 UF 10V B           C336         CS0PCH4Q1J         CC         47 PF 50V CH         C2861         CS0B0B0N15K         CC         0.1 UF 10V B           C2204         CS0RB0PH7M         CC         22 UF 6.3V B         C2862         CS0UB0N15K         CC         0.1 UF 10V B           C2205         CS0RB0PH7M         CC         22 UF 6.3V B         C2863         CS0UB0N15K         CC         0.1 UF 10V B           C2206         CS0PB0315								
C330         CS0PB0413K         CC         0.001 UF 50V B         C2856         CS0UB0N15K         CC         0.1 UF 10V B           C331         CS0PB0413K         CC         0.001 UF 50V B         C2857         CS0UB0N15K         CC         0.1 UF 10V B           C332         CS0PB0413K         CC         0.001 UF 50V B         C2858         CS0UB0N15K         CC         0.1 UF 10V B           C333         CS0RB04Q5K         CC         0.47 UF 50V B         C2859         CS0UB0N15K         CC         0.1 UF 10V B           C335         CS0PCH4Q1J         CC         47 PF 50V CH         C2860         CS0RB0N17K         CC         10 UF 10V B           C336         CS0PCH4Q1J         CC         47 PF 50V CH         C2861         CS0UB0N15K         CC         0.1 UF 10V B           C2204         CS0RB0PH7M         CC         22 UF 6.3V B         C2862         CS0UB0N15K         CC         0.1 UF 10V B           C2205         CS0RB0PH7M         CC         22 UF 6.3V B         C2863         CS0UB0N15K         CC         0.1 UF 10V B           C2206         CS0PB0315K         CC         0.1 UF 25V B         C2864         CS0UB0N15K         CC         0.1 UF 10V B           C2207         CS0PB0315K<								
C332         CS0PB0413K         CC         0.001 UF 50V B         C2858         CS0UB0N15K         CC         0.1 UF 10V B           C333         CS0RB04Q5K         CC         0.47 UF 50V B         C2859         CS0UB0N15K         CC         0.1 UF 10V B           C335         CS0PCH4Q1J         CC         47 PF 50V CH         C2860         CS0RB0N17K         CC         10 UF 10V B           C336         CS0PCH4Q1J         CC         47 PF 50V CH         C2861         CS0UB0N15K         CC         0.1 UF 10V B           C2204         CS0RB0PH7M         CC         22 UF 6.3V B         C2862         CS0UB0N15K         CC         0.1 UF 10V B           C2205         CS0RB0PH7M         CC         22 UF 6.3V B         C2863         CS0UB0N15K         CC         0.1 UF 10V B           C2206         CS0PB0315K         CC         0.1 UF 25V B         C2864         CS0UB0N15K         CC         0.1 UF 10V B           C2207         CS0PB0315K         CC         0.1 UF 25V B         C2865         CS0UB0N15K         CC         0.1 UF 10V B           C2301         CS0UB0315K         CC         0.1 UF 25V B         C2866         CS0UB0N15K         CC         0.1 UF 10V B           C2303         CS0UB0315K <td></td> <td>CS0PB0413K</td> <td>cc</td> <td></td> <td></td> <td></td> <td></td> <td></td>		CS0PB0413K	cc					
C333         CS0RB04Q5K         CC         0.47 UF 50V B         C2859         CS0UB0N15K         CC         0.1 UF 10V B           C335         CS0PCH4Q1J         CC         47 PF 50V CH         C2860         CS0RB0N17K         CC         10 UF 10V B           C336         CS0PCH4Q1J         CC         47 PF 50V CH         C2861         CS0UB0N15K         CC         0.1 UF 10V B           C2204         CS0RB0PH7M         CC         22 UF 6.3V B         C2862         CS0UB0N15K         CC         0.1 UF 10V B           C2205         CS0RB0PH7M         CC         22 UF 6.3V B         C2863         CS0UB0N15K         CC         0.1 UF 10V B           C2206         CS0PB0315K         CC         0.1 UF 25V B         C2864         CS0UB0N16K         CC         1 UF 10V B           C2207         CS0PB0315K         CC         0.1 UF 25V B         C2865         CS0UB0N15K         CC         0.1 UF 10V B           C2301         CS0UB0315K         CC         0.1 UF 25V B         C2866         CS0UB0N15K         CC         0.1 UF 10V B           C2303         CS0UB0315K         CC         0.1 UF 25V B         C2866         CS0UB0N15K         CC         0.1 UF 10V B           C2305         CS0UB0315K	C331			0.001 UF 50V B				
C335         CS0PCH4Q1J         CC         47         PF 50V CH         C2860         CS0RB0N17K         CC         10         UF 10V B           C336         CS0PCH4Q1J         CC         47         PF 50V CH         C2861         CS0UB0N15K         CC         0.1         UF 10V B           C2204         CS0RB0PH7M         CC         22         UF 6.3V B         C2862         CS0UB0N15K         CC         0.1         UF 10V B           C2205         CS0RB0PH7M         CC         22         UF 6.3V B         C2863         CS0UB0N15K         CC         0.1         UF 10V B           C2206         CS0PB0315K         CC         0.1         UF 25V B         C2864         CS0UB0N15K         CC         0.1         UF 10V B           C2207         CS0PB0315K         CC         0.1         UF 25V B         C2865         CS0UB0N15K         CC         0.1         UF 10V B           C2301         CS0UB0315K         CC         0.1         UF 25V B         C2866         CS0UB0N15K         CC         0.1         UF 10V B           C2303         CS0UB0315K         CC         0.1         UF 25V B         C2866         CS0UB0N15K         CC         0.1         UF 10V B <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>								
C336         CS0PCH4Q1J         CC         47         PF 50V CH         C2861         CS0UB0N15K         CC         0.1         UF 10V B           C2204         CS0RB0PH7M         CC         22         UF 6.3V B         C2862         CS0UB0N15K         CC         0.1         UF 10V B           C2205         CS0RB0PH7M         CC         22         UF 6.3V B         C2863         CS0UB0N15K         CC         0.1         UF 10V B           C2206         CS0PB0315K         CC         0.1         UF 25V B         C2864         CS0UB0N15K         CC         1         UF 10V B           C2207         CS0UB0315K         CC         0.1         UF 25V B         C2865         CS0UB0N15K         CC         0.1         UF 10V B           C2301         CS0UB0315K         CC         0.1         UF 25V B         C2866         CS0UB0N15K         CC         0.1         UF 10V B           C2303         CS0UB0315K         CC         0.1         UF 25V B         C2867         CS0UB0N15K         CC         0.1         UF 10V B           C2305         CS0UB0315K         CC         0.1         UF 25V B         C2868         CS0UB0N15K         CC         0.1         UF 10V B <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
C2204         CSORBOPH7M         CC         22         UF 6.3V B         C2862         CS0UB0N15K         CC         0.1         UF 10V B           C2205         CSORBOPH7M         CC         22         UF 6.3V B         C2863         CS0UB0N15K         CC         0.1         UF 10V B           C2206         CS0PB0315K         CC         0.1         UF 25V B         C2864         CS0UB0N16K         CC         1         UF 10V B           C2207         CS0PB0315K         CC         0.1         UF 25V B         C2865         CS0UB0N15K         CC         0.1         UF 10V B           C2301         CS0UB0315K         CC         0.1         UF 25V B         C2866         CS0UB0N15K         CC         0.1         UF 10V B           C2303         CS0UB0315K         CC         0.1         UF 25V B         C2867         CS0UB0N15K         CC         0.1         UF 10V B           C2305         CS0UB0315K         CC         0.1         UF 25V B         C2867         CS0UB0N15K         CC         0.1         UF 10V B								
C2205         CS0RB0PH7M         CC         22         UF 6.3V B         C2863         CS0UB0N15K         CC         0.1         UF 10V B           C2206         CS0PB0315K         CC         0.1         UF 25V B         C2864         CS0UB0N16K         CC         1         UF 10V B           C2207         CS0PB0315K         CC         0.1         UF 25V B         C2865         CS0UB0N15K         CC         0.1         UF 10V B           C2301         CS0UB0315K         CC         0.1         UF 25V B         C2866         CS0UB0N15K         CC         0.1         UF 10V B           C2303         CS0UB0315K         CC         0.1         UF 25V B         C2867         CS0UB0N15K         CC         0.1         UF 10V B           C2305         CS0UB0315K         CC         0.1         UF 25V B         C2868         CS0UB0N15K         CC         0.1         UF 10V B								
C2206         CS0PB0315K         CC         0.1         UF 25V B         C2864         CS0UB0N16K         CC         1         UF 10V B           C2207         CS0PB0315K         CC         0.1         UF 25V B         C2865         CS0UB0N15K         CC         0.1         UF 10V B           C2301         CS0UB0315K         CC         0.1         UF 25V B         C2866         CS0UB0N15K         CC         0.1         UF 10V B           C2303         CS0UB0315K         CC         0.1         UF 25V B         C2867         CS0UB0N15K         CC         0.1         UF 10V B           C2305         CS0UB0315K         CC         0.1         UF 25V B         C2868         CS0UB0N15K         CC         0.1         UF 10V B								
C2207         CS0PB0315K         CC         0.1         UF 25V B         C2865         CS0UB0N15K         CC         0.1         UF 10V B           C2301         CS0UB0315K         CC         0.1         UF 25V B         C2866         CS0UB0N15K         CC         0.1         UF 10V B           C2303         CS0UB0315K         CC         0.1         UF 25V B         C2867         CS0UB0N15K         CC         0.1         UF 10V B           C2305         CS0UB0315K         CC         0.1         UF 25V B         C2868         CS0UB0N15K         CC         0.1         UF 10V B								
C2301         CS0UB0315K         CC         0.1         UF 25V B         C2866         CS0UB0N15K         CC         0.1         UF 10V B           C2303         CS0UB0315K         CC         0.1         UF 25V B         C2867         CS0UB0N15K         CC         0.1         UF 10V B           C2305         CS0UB0315K         CC         0.1         UF 25V B         C2868         CS0UB0N15K         CC         0.1         UF 10V B								
C2303         CS0UB0315K         CC         0.1         UF 25V B         C2867         CS0UB0N15K         CC         0.1         UF 10V B           C2305         CS0UB0315K         CC         0.1         UF 25V B         C2868         CS0UB0N15K         CC         0.1         UF 10V B								
C2305 CS0UB0315K CC 0.1 UF 25V B C2868 CS0UB0N15K CC 0.1 UF 10V B								
	C2306			47 UF 16V	C2869			0.1 UF 10V B

REF. NO.	PART NO.	DESCRIPT	ION	REF. NO.	PART NO.	DESCRIPT	ION
KEI I NO.	TAKT NO.	CAPACITORS	1011	KEI I IIO.	TAKT NO.	CAPACITORS	ION
C2870	CS0UB0N15K		0.1 UF 10V B	C3044	CS0PB0316K		1 UF 25V B
C2871	CS0UB0N15K	CC	0.1 UF 10V B	C3045	CS0PB0316K	cc	1 UF 25V B
C2872	CS0UB0N15K		0.1 UF 10V B	C3046	CS0PB0316K		1 UF 25V B
C2873	CS0UB0N15K		0.1 UF 10V B	C3047	CS0PB0316K		1 UF 25V B
C2874 C2875	CS0RB0N17K CS0UB0N15K		10 UF 10V B 0.1 UF 10V B	C3048 C3049	CS0SB0317K CS0UB0N15K		10 UF 25V B 0.1 UF 10V B
C2876	CS0UB0N15K		0.1 UF 10V B	C3049 C3051	CS0UB0N15K		0.01 UF 50V B
C2877	CS0UB0N15K		0.1 UF 10V B	C3052	CS0RB0217K		10 UF 16V B
C2878	CS0UB0214K		0.01 UF 16V B	C3053	CS0SB0317K		10 UF 25V B
C2879	CS0UB0N15K	CC	0.1 UF 10V B	C3055	CS0PB0315K	cc	0.1 UF 25V B
C2880	CS0UB0N15K		0.1 UF 10V B	C3056	CS0RB0217K		10 UF 16V B
C2881	CS0UB0N15K		0.1 UF 10V B	C3057	CS0RB0217K		10 UF 16V B
C2882 C2883	CS0UB0N15K CS0UB0N15K		0.1 UF 10V B 0.1 UF 10V B	C3058 C3059	CS0PB0NH6K CS0RB0217K		2.2 UF 10V B 10 UF 16V B
C2884	CS0UB0N15K		0.1 UF 10V B	C3060	CS0RB0217K		10 UF 16V B
C2885	CS0UB0N15K		0.1 UF 10V B	C3061	CS0RB0PH7M		22 UF 6.3V B
C2886	CS0UB0N15K	CC	0.1 UF 10V B	C3063	CS0UB0414K		0.01 UF 50V B
C2887	CS0UB0NH5K		0.22 UF 10V B	C3064	CS0PB0PQ6K		4.7 UF 6.3V B
C2888	CS0RB0N17K		10 UF 10V B	C3065	CS0RB02Q6K		4.7 UF 16V B
C2891	CS0RB0N17K		10 UF 10V B	C3066	CS0UB0414K		0.01 UF 50V B
C2894 C2895	CS0RB0N17K CS0UB0N15K		10 UF 10V B	C3067	CS0RB0PH7M CS0SB0317K		22 UF 6.3V B 10 UF 25V B
C2897	CS00B0N15K		0.1 UF 10V B 10 UF 10V B	C3068 C3069	CS0SB0317K		2.2 UF 50V B
C2898	CS0PB0NH6K		2.2 UF 10V B	C3070	CS0SB04H6K		2.2 UF 50V B
C2899	CS0PB0N16K		1 UF 10V B	C3071	CS0RB0217K		10 UF 16V B
C2901	CS0UB0N15K		0.1 UF 10V B	C3073	CS0RB0PH7M		22 UF 6.3V B
C2902	CS0RB0N17K		10 UF 10V B	C3074	CS0RB0PH7M		22 UF 6.3V B
C2903	CS0UB0413K		0.001 UF 50V B	C3075	CS0PB0NH6K		2.2 UF 10V B
C2904	CS0UB0413K		0.001 UF 50V B	C3077	CS0PB0NH6K		2.2 UF 10V B
C2905 C2906	CS0RB0N17K CS0RB0N17K		10 UF 10V B 10 UF 10V B	C3085 C3086	CS0PB0N16K CS0RB0N17K		1 UF 10V B 10 UF 10V B
C2907	CS0UB0N15K		0.1 UF 10V B	C3090	CS0UB0N15K		0.1 UF 10V B
C2910	CS0RB0PH7M		22 UF 6.3V B	C3601	CS0UB0N15K		0.1 UF 10V B
C2911	CS0RB0PH7M	CC	22 UF 6.3V B	C3602	CS0UB0N15K	cc	0.1 UF 10V B
C2912	CS0UB0N15K		0.1 UF 10V B	C3603	CS0UB0N15K		0.1 UF 10V B
C2915	CS0PB0N16K		1 UF 10V B	C3604	CS0UB0N15K		0.1 UF 10V B
C2916 C2917	CS0PB0N16K CS0RB0PH7M		1 UF 10V B 22 UF 6.3V B	C3605 C3607	CS0UB0N15K CS0UB0N15K		0.1 UF 10V B 0.1 UF 10V B
C2917	CS0RB0PH7M		22 UF 6.3V B	C3608	CS00B0N15K		10 UF 6.3V B
C2921	CS0RB0PH7M		22 UF 6.3V B	C3610	CS0UB04Q3K		0.0047UF 50V B
C2922	CS0RB0PH7M		22 UF 6.3V B	C3611	CS0PB0NH6K		2.2 UF 10V B
C2923	CS0PB0P17M		10 UF 6.3V B	C3612	CS0UB04H3K		0.0022UF 50V B
C2924	CS0UB0N15K		0.1 UF 10V B	C3613	CS0UB0214K		0.01 UF 16V B
C2925	CS0UB0N15K		0.1 UF 10V B	C3801	CS0PB0316K		1 UF 25V B
C2926 C2965	CS0UB0N15K CS0UCH4Q1J		0.1 UF 10V B 47 PF 50V CH	C3802 C3803	CS0RB04Q5K CS0RB0416K		0.47 UF 50V B 1 UF 50V B
C2968	CS0UCH4Q1J		47 PF 50V CH	C3804	CS0PB0413K		0.001 UF 50V B
C2976	CS0UB0N15K		0.1 UF 10V B	<u> </u>	E718HC391D		390 UF 200V
C3003	CS0RB0N17K	cc	10 UF 10V B	C3806	CS0PB0415K		0.1 UF 50V B
C3004	CS0RB0N17K		10 UF 10V B	C3807	CS0PB04H3K		0.0022UF 50V B
C3008	CS0UB0N16K		1 UF 10V B	<u> </u>	P4K12D334K		0.33 UF 310V
C3009	CS0RB0N17K		10 UF 10V B	⚠ C3809	CE39E0MQ2K		470 PF 250V E
C3011 C3012	CS0PB0N16K CS0UB0N15K		1 UF 10V B 0.1 UF 10V B	C3810 <u>A</u> C3811	CS0PB03H5K CE39E0MQ2K		0.22 UF 25V B 470 PF 250V E
C3012	CS00B0N15K		10 UF 10V B	<u>/\</u> C3811	C234SL6E1J		15 PF 1KV SL
C3016	CS0RB02Q6K		4.7 UF 16V B	<u> </u>	P4K10D224K		0.22 UF 310V LE-MX
C3017	CS0RB02Q6K		4.7 UF 16V B	C3814	CS0PB0414K	cc	0.01 UF 50V B
C3018	CS0UCH412J		100 PF 50V CH	C3815	CS3RB03H6K		2.2 UF 25V B
C3019	CS0UB04E3K		0.0015UF 50V B	C3817	CS0PB0415K		0.1 UF 50V B
C3020 C3021	CS0UCH4E2J CS0UB04Q3K		150 PF 50V CH	C3818 C3819	CS0PB0413K E8E2U5100D		0.001 UF 50V B 10 UF 50V
C3021	CS00B04Q3K CS0RB02Q6K		0.0047UF 50V B 4.7 UF 16V B	C3819 C3820	E8E2U5100D		10 UF 50V
C3024	CS0UB0413K		0.001 UF 50V B	C3821	E8E2U5100D		10 UF 50V
C3027	CS0UB0414K		0.01 UF 50V B	C3822	CS0RB0416K		1 UF 50V B
C3028	CS0UB04L3K		0.0033UF 50V B	<u> </u>	E7EYT1102M		1000 UF 10V
C3029	CS0UB04L3K		0.0033UF 50V B	C3824	CS0PB0414K		0.01 UF 50V B
C3030	CS0UB03Q4K		0.047 UF 25V B	<u> </u>	E8E6FC470M		47 UF 200V
C3031 C3032	CS0UB0413K CS0PB0316K		0.001 UF 50V B 1 UF 25V B	C3826 C3827	CS0PB0315K CS3RB03H6K		0.1 UF 25V B 2.2 UF 25V B
C3032 C3034	CS0PB0316K		0.001 UF 50V B	C3828	CS3RB03H6K		1 UF 25V B
C3035	CS0PB0316K		1 UF 25V B	C3830	CS0PB0415K		0.1 UF 50V B
C3036	CS0PB0414K		0.01 UF 50V B	C3831	CS0PB04H4K		0.022 UF 50V B
C3039	CS0UB0414K		0.01 UF 50V B	C3832	C0340R6Q2K		470 PF 1KV R
C3040	CS0RB0N17K		10 UF 10V B	C3833	C0340R613K		0.001 UF 1KV R
C3041 C3042	CS0UB0N16K CS0UB0414K		1 UF 10V B 0.01 UF 50V B	C3834	CS0PB0414K E7EYU1221M		0.01 UF 50V B 220 UF 10V
C3042 C3043	CS00B0414K CS0RB02Q6K		4.7 UF 16V B	C3835 C3837	P4NBE5104H		0.1 UF 630V FGSM
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REF. NO.	PART NO.	DESCRIPT	ION	REF. NO.	PART NO.	DESCRIPT	ION
IXEI I IXEI		CAPACITORS		IXEI I IXOI		CAPACITORS	
<u></u> C3840	CE39E0MH2K		220 PF 250V E	C5815	CS0UB0N16K		1 UF 10V B
C3841	E8E2U5470D		47 UF 50V	C5817	CS0UB0N16K		1 UF 10V B
<u></u> C3843	CE39E0MH2K		220 PF 250V E	C5822	CS0UB0N16K		1 UF 10V B
C3844	CS0PB0315K		0.1 UF 25V B	C5823	CS0UB0N16K		1 UF 10V B
C3845 C3846	CS0PCH412J CS0PB0415K		100 PF 50V CH 0.1 UF 50V B	C5827 C5828	CS0UB0N16K CS0PCK410C		1 UF 10V B 1 PF 50V CK
C3847	CS0PB0315K		0.1 UF 25V B	C5830	CS0UB0N16K		1 UF 10V B
<u></u> C3848	E9E8F3102D		1000 UF 25V	C5832	CS0UB0215K		0.1 UF 16V B
<u>/</u> C3849	E8E1T3471M		470 UF 25V	C5844	CS0UB0214K		0.01 UF 16V B
<u></u> ∆C3851	E7EYF4102M	CE	1000 UF 35V	C5846	CS0UB0215K	CC	0.1 UF 16V B
C3855	E7EYF4102M		1000 UF 35V	C5848	CS0UB04Q3K		0.0047UF 50V B
C3856	COPLRR713K		0.001 UF 2KV R	C5849	CS0UB04Q3K		0.0047UF 50V B
C4001 C4003	CS0UB0N15K CS0UB0N15K		0.1 UF 10V B 0.1 UF 10V B	C6201 C6202	CS0UB0215K CS0UB0215K		0.1 UF 16V B 0.1 UF 16V B
C4005	CS0UB0N15K		0.1 UF 10V B	C6210	CS0UB0P14K		0.01 UF 6.3V B
C4006	CS0UB0P16K		1 UF 6.3V B	C6213	CS0PB0N16K		1 UF 10V B
C4007	CS0UB0N15K	cc	0.1 UF 10V B	C6509	CS0UB0N16K	cc	1 UF 10V B
C4008	CS0UB0N15K		0.1 UF 10V B	C7004	CS0PB0414K		0.01 UF 50V B
C4012	CS0UCH412J		100 PF 50V CH	C7005	CS0PB04Q3K		0.0047UF 50V B
C4015	E72BM0101M		100 UF 6.3V	C7006	CS0PB0NH6K		2.2 UF 10V B 0.01 UF 50V B
C4016 C4019	E72BM0101M CS0RB0PQ6K		100 UF 6.3V 4.7 UF 6.3V B	C7007 C7008	CS0PB0414K CS0PB0415K		0.01 UF 50V B
C4020	CS0UB0N15K		0.1 UF 10V B	C7009	CS0PB03H5K		0.22 UF 25V B
C4023	CS0UB0N15K		0.1 UF 10V B	C7010	CS0PB04Q3K		0.0047UF 50V B
C4029	CS0UB0N15K		0.1 UF 10V B	C7011	CS0PB04Q3K		0.0047UF 50V B
C4033	CS0UCH4K1J		27 PF 50V CH	C7012	CS0PB03H5K		0.22 UF 25V B
C4036	CS0UB0N15K		0.1 UF 10V B	C7013	CS0PCH4H2J		220 PF 50V CH
C4037	CS0UCH4K1J CS0UB0N15K		27 PF 50V CH	C7014	CS0PB0414K		0.01 UF 50V B
C4038 C4043	CS0UB0N15K		0.1 UF 10V B 0.01 UF 25V B	C7015 C7016	CS0PB0N16K CS0PB0414K		1 UF 10V B 0.01 UF 50V B
C4043	E72BM0220M		22 UF 6.3V	C7010	CS0PB0414K		0.01 UF 50V B
C4045	CS0UB03U3K		0.0068UF 25V B	C7018	CS0PB03Q4K		0.047 UF 25V B
C4047	E72BM0101M	CE	100 UF 6.3V	C7019	CS0PB0315K	cc	0.1 UF 25V B
C4048	CS0UB0N15K		0.1 UF 10V B	C7020	E7EYF4102M		12.5*25 1000 UF 35V
C4049	CS0UB0N15K		0.1 UF 10V B	C7021	CS0PB0413K		0.001 UF 50V B
C4050	E72BM0101M		100 UF 6.3V	C7022	CS0PB0415K		0.1 UF 50V B
C4051 C4052	E72BM0101M CS0UB0N15K		100 UF 6.3V 0.1 UF 10V B	C7027 C7028	CS0PCH4H2J CS0PCH4H2J		220 PF 50V CH 220 PF 50V CH
C4053	CS0UB0314K		0.01 UF 25V B	C7029	CS0PCH4H2J		220 PF 50V CH
C4054	CS0UB0314K		0.01 UF 25V B	C7031	CS0PCH4H2J		220 PF 50V CH
C4055	CS0UB0N15K	cc	0.1 UF 10V B	C7032	CS0PCH4H2J		220 PF 50V CH
C4056	E72BM0101M		100 UF 6.3V	C7033	CS0PCH4H2J		220 PF 50V CH
C4057	CS0UB0413K		0.001 UF 50V B	C7034	CS0PCH4H2J		220 PF 50V CH
C4058 C4059	CS0UB0N15K CS0UB04E3K		0.1 UF 10V B 0.0015UF 50V B	C7035 C7036	CS0SB0417M CS0SB0417M		10 UF 50V B 10 UF 50V B
C4060	CS0UB0413K		0.001 UF 50V B	C7036	CS0SB0417M		10 UF 50V B
C4062	CS0UB0N15K		0.1 UF 10V B	C7047	CS0SB0417M		10 UF 50V B
C4063	CS0UB0N15K	cc	0.1 UF 10V B	C7049	CRGTB0413K	cc	0.001 UF 50V B
C4064	CS0UB0N15K	cc	0.1 UF 10V B	C7050	CRGTB0413K	CC	0.001 UF 50V B
C4066	CS0UB0P16K		1 UF 6.3V B	C7051	CRGTB0413K		0.001 UF 50V B
C4071	CS0UB0413K		0.001 UF 50V B	C7052	CRGTB0413K		0.001 UF 50V B
C4073 C4074	CS0UB0N15K CS0UB0N15K		0.1 UF 10V B 0.1 UF 10V B	C7053 C7054	CRGTB0413K CRGTB0413K		0.001 UF 50V B 0.001 UF 50V B
C4074 C4088	CS0UCH4H2J		220 PF 50V CH	C7054 C7055	CRGTB0413K		0.001 UF 50V B
C4089	CS0UB03E4K		0.015 UF 25V B	C7056	CRGTB0413K		0.001 UF 50V B
C4090	CS0UB0N15K	cc	0.1 UF 10V B	C7057	C234SLB11J	cc	10 PF 6KV SL
C4101	CS0UCH4L2J		330 PF 50V CH	C7058	C234SLB11J		10 PF 6KV SL
C4102	CS0UCH4L2J		330 PF 50V CH	C7059	C234SLB11J		10 PF 6KV SL
C4122 C4123	CS0UCH412J CS0UCH412J		100 PF 50V CH 100 PF 50V CH	C7060	C234SLB11J C234SLB11J		10 PF 6KV SL 10 PF 6KV SL
C4123 C4201	CS0UCH412J CS0UB0N15K		0.1 UF 10V B	C7061 C7062	C234SLB11J		10 PF 6KV SL 10 PF 6KV SL
C4201 C4202	CS0UB0N15K		0.1 UF 10V B	C7062	C234SLB11J		10 PF 6KV SL
C4212	CS0UB0N15K		0.1 UF 10V B	C7064	C234SLB11J		10 PF 6KV SL
C4217	CS0UB0N15K	cc	0.1 UF 10V B	C8056	CS0UCH4S2J		560 PF 50V CH
C4219	CS0UCH412J		100 PF 50V CH	C8101	CS0PCH4Q1J		47 PF 50V CH
C4220	CS0UB0N15K		0.1 UF 10V B	C8102	CS0RB0N17K		10 UF 10V B
C4221 C4222	CS0UB0N16K CS0UB0N15K		1 UF 10V B 0.1 UF 10V B	C8103 C8104	CS0PCH4Q1J CS0RB0N17K		47 PF 50V CH 10 UF 10V B
C4222 C4239	CS0UBUNTSK CS0UCH4Q1J		47 PF 50V CH	C8104 C8105	CS0RB0N17K CS0PCH412J		100 PF 50V CH
C5801	CS0RB0N17K		10 UF 10V B	C8105	CS0PCH4Q1J		47 PF 50V CH
C5802	CS0RB0N17K		10 UF 10V B	C8107	CS0PCH412J		100 PF 50V CH
C5803	CS0UB0413K		0.001 UF 50V B	C8108	CS0PCH4Q1J	CC	47 PF 50V CH
C5804	CS0RB0N17K		10 UF 10V B	C8111	CS0PCH412J		100 PF 50V CH
C5805	CS0RB0N17K		10 UF 10V B	C8112	CS0PCH412J		100 PF 50V CH
C5810 C5812	CS0UB0215K CS0UB0413K		0.1 UF 16V B 0.001 UF 50V B	C8113 C8114	CS0PCH4Q1J CS0PCH412J		47 PF 50V CH 100 PF 50V CH
C5812 C5814	CS0UB0215K		0.1 UF 16V B	C8114 C8116	CS0PB0N16K		1 UF 10V B
300.17	2000D0210IN	<u> </u>	0. 101 5	55110	JUG. DONTON	1	

REF. NO.	PART NO.	DESCRIPT	ION	REF. NO.	PART NO.	DESCRIPT	ION
1		CAPACITORS				DIODES	
C8117	CS0PCH412J		100 PF 50V CH	D3826	DJBUA30012	DIODE ZENER	HZS30NB2
C8122	CS0RB0216K	CC	1 UF 16V B	D4001	DD1R0100L0	DIODE SILICON	DA2J10100L
C8123	CS0RB0216K		1 UF 16V B	D5801		DIODE VARISTA	EZJZ0V80010
	E70QU2470M		47 UF 16V	D7001		DIODE SILICON	DA2J10100L
	E70QU2470M		47 UF 16V	D7002		DIODE SILICON	DA2J10100L
	CS0RB0N17K		10 UF 10V B	D7003		DIODE, SILICON	1SS133T-77
	CS0RB0N17K		10 UF 10V B	D7004		DIODE, SILICON	1SS133T-77
C8501 C8504	CS0RB0PQ6K CS0UCH412J		4.7 UF 6.3V B 100 PF 50V CH	D7005 D7006		DIODE,SILICON DIODE,SILICON	1SS133T-77
	CS0UCH412J		560 PF 50V CH	D7006 D7007	D1VT001330	The state of the s	1SS133T-77 1SS133T-77
	CS0UB0N15K		0.1 UF 10V B	D7007	D1VT001330	- ,	1SS133T-77
	CS0UB0N15K		0.1 UF 10V B	D7009	D1VT001330	DIODE, SILICON	1SS133T-77
	E72BM2100M		10 UF 16V	D7010	D1VT001330		1SS133T-77
	CS0UCH412J		100 PF 50V CH	D7013	DD1R0100L0		DA2J10100L
C8516	CS0UCH412J	cc	100 PF 50V CH	D7014	DD1R0100L0	DIODE SILICON	DA2J10100L
C8517	CS0UCH4U1J	CC	68 PF 50V CH	D7015	DD1R0100L0	DIODE SILICON	DA2J10100L
C8518	CS0UCH4U1J	CC	68 PF 50V CH	D7017	DD1R0100L0	DIODE SILICON	DA2J10100L
	E72BM2100M		10 UF 16V	D7018	DD1R0100L0	DIODE SILICON	DA2J10100L
C8520	CS0UB0314K		0.01 UF 25V B	D7019		DIODE SILICON	DA2J10100L
	CS0RB0N17K		10 UF 10V B	D7020	DD1R0100L0		DA2J10100L
	CS0RB0N17K		10 UF 10V B	D7021		DIODE, SILICON	1SS133T-77
	CS0RB0N17K		10 UF 10V B	D7022		DIODE, SILICON	1SS133T-77
C8524	CS0UCH412J		100 PF 50V CH	D7023		DIODE, SILICON	1SS133T-77
C8525 C8529	CS0UCH412J CS0UB0314K		100 PF 50V CH	D7024 D7025		DIODE,SILICON DIODE,SILICON	1SS133T-77
C8530	CS0UB0314K		0.01 UF 25V B 0.01 UF 25V B	D7025 D7026		DIODE, SILICON	1SS133T-77 1SS133T-77
C8530	CS0UB0314K		0.01 UF 50V B	D7020 D7027		DIODE, SILICON	1SS133T-77
	CS0UB0N15K		0.1 UF 10V B	D7027		DIODE, SILICON	1SS133T-77
	CS0RB0N17K		10 UF 10V B	D7029		DIODE,SILICON	1SS133T-77
C8534	CS0UCH412J		100 PF 50V CH	D7030		DIODE,SILICON	1SS133T-77
C8536	CS0UB0315K		0.1 UF 25V B	D7031		DIODE, SILICON	1SS133T-77
C8539	CS0UB0315K	CC	0.1 UF 25V B	D7032	D1VT001330	DIODE,SILICON	1SS133T-77
C8540	CS0RB0PQ6K	CC	4.7 UF 6.3V B	D7033	D1VT001330	DIODE,SILICON	1SS133T-77
		DIODES		D7034	D1VT001330	DIODE,SILICON	1SS133T-77
D2201	0021E9Q010	LED	LTL-1BEFJ-002A	D7035	D1VT001330	DIODE,SILICON	1SS133T-77
D2301		DIODE SILICON	DA2J10100L	D7036		DIODE,SILICON	1SS133T-77
D2302		DIODE SILICON	DA2J10100L	D8501		DIODE ZENER	RKZ5.1B2KG
D3001		DIODE SCHOTTKY BARRIER		D8502	D28R11FS40	DIODE SCHOTTKY	EC11FS4-TE12L
D3002		DIODE SCHOTTKY	RB056L-40TE25	D8503	D28R11FS40	DIODE SCHOTTKY	EC11FS4-TE12L
D3003 D3004		DIODE SCHOTTKY DIODE SCHOTTKY	RB056L-40TE25 RB056L-40TE25	/∖ IC301	I0WFP13TR0	ICS SOUND AMP 2*20W	STA333W13TR
D3005	DC5PD40051		HN2S02JE(TE85L,F) or	_	I1UFV5888S	5CH MOTOR DRIVER IC	SA5888TR
20000		DIODE SCHOTTKY BARRIER		IC2801	I56M069830	SCALER C8	R8A66983BG-U0
D3006	DD7RB055L0	DIODE SCHOTTKY BARRIER	RB055L-30	IC2802	IGXM05162E	DDR2-800 512M CL=5	H5PS5162FFR-S5C
D3007	D27RB056L0	DIODE SCHOTTKY	RB056L-40TE25	IC2803	S56Q02HE01	MEMORY DATA 32K EEPROM	BR24G32F-WE2
D3008	DC5PD40051	DIODE	HN2S02JE(TE85L,F) or	IC2804		MEMORY DATA 32MBIT FLASH TSOP8	EN25F32-100HIP(T)
	DD7R480Y40	DIODE SCHOTTKY BARRIER		IC2805	I1JN062050	500MA HIGH SIDE SW	MP6205DD-LF-Z
D3009	DC5PD40051	DIODE	HN2S02JE(TE85L,F) or		I55J0052A0	DUAL 4CH ANALOG MULTIPLEXER	TC74VHC4052AFTELKM
		DIODE SCHOTTKY BARRIER	RB480Y-40	<u>IC3001</u>	I1ZF9K2510	REGULATOR 2.5V	RP131K251D-TR
D3010		DIODE SILICON	DA2J10100L	▲ IC3002		VO=11V REG	R1190H110D-T1-F
D3011		DIODE SILICON	DA2J10100L	✓ IC3003	ILNJ990250	REGULATOR 1.8V	RT9025-18GSP
D3012		DIODE SCHOTTKY BARRIER		<u>∧</u> IC3004	I1ZF9K5010	REGULATOR 5.0V	RP131K501D-TR
D3617		DIODE SILICON	DA2J10100L	▼ IC3002	11ZF9K3310	REGULATOR 3.3V	RP131K331D-TR
D3619 D3628		DIODE SILICON DIODE SILICON	DA2J10100L DA2J10100L	▲ IC3006 IC3007	I1KF9431B0 I1SN030560	VARIABLE SHUNT REGULATOR TAPE DC/DC CONVERTOR	KIA431BF THV3056
∆D3628 ∴D3803		DIODE SILICON DIODE.BRIDGE	D5SB80	/\ IC3007	11ZF9121D0	REGULATOR 1.2V	RP131H121D-T1-F
<u>/\</u> D3804		DIODE VARISTA	S10K175E2S5M4	IC3601	ILUK066330	HDMI SW	IT6633E-P
D3805		DIODE ZENER	HZS30NB2	<u> </u>	I1KJ9A431A	VARIABLE SHUNT REGULATOR TAPE	KIA431A-AT
<u></u> ∆D3807		DIODE SILICON	1N4006-A5	<u> </u>	I16D052030	CURRENT RESONANT CTL IC	MCZ5203NA-7101
<u></u> ∆D3808		DIODE SILICON	1N4006-A5	<u>∧</u> IC3803	I5SD0P2M40	VDSS=700V F=67KHZ	MIP2M40MSSCF
D3809		DIODE SCHOTTKY	RB056L-40TE25	IC3804	000220002W	PHOTO COUPLER	PS2561AL1-1-V(W)
D3810	D4CT01H6A0	DIODE RECTIFIER	1H6-A2	<u> </u>	000220002W	PHOTO COUPLER	PS2561AL1-1-V(W)
<u></u> ∆∆ D3811		DIODE SILICON	1N4006-A5	▲ IC3806	I1KJ9A431A	VARIABLE SHUNT REGULATOR TAPE	KIA431A-AT
D3812		DIODE ZENER	UDZSNP15B TE-17	<u> </u>	000220002W	PHOTO COUPLER	PS2561AL1-1-V(W)
D3813		DIODE ZENER	HZS15NB2	IC4001	IC8K0389K0	DVD MPEG 128PIN MEDIATEK	MT1389QE/K-L
D3814		DIODE SCHOTTKY	RB056L-40TE25	IC4004		MEMORY DATA FLASH ROM(8M)	EN25Q80A-100HI
D3815		DIODE ZENER	HZS30NB2	IC4005	IG2J08165G	SDRAM(64M)EM638165TS-6G(70NM)	EM638165TS-6G(70NM)
D3816		DIODE ZENER	HZS33NB2	IC4201	IC7C9292A0	RESET IC 2.9V DELAY NCH SC-88 RESET IC 2.9V DELAY NCH SC-88	R3112Q292A-TR-FE
<u></u> ∆ D3817 ∆ D3818		POWER CLAMPER DIODE SILICON	ST02D-140 1F5	IC4202 ∴ IC5801	IC7C9292A0 I1ZF9K3310	REGULATOR 3.3V	R3112Q292A-TR-FE RP131K331D-TR
<u>/\</u> D3819		DIODE SCHOTTKY BARRIER		<u> </u>	11ZF9K3310 11ZF9K1810	REGULATOR 1.8V	RP131K181D-TR
D3820		DIODE SILICON	1F5	IC5802	ILVN003010	WW RF SI-TUNER	MXL301RF
<u>/</u> \ D3821		DIODE SCHOTTKY BARRIER		IC6201	IC7C0292C0	RESET IC 2.9V CMOSL" SC-88A"	R3111Q292C-TR-FE
<u>/</u> ∆D3822		DIODE SCHOTTKY BARRIER		IC6502	I55F0A53FU	A/V SW 2IN 1OUT	TC7PA53FU(T5L,F,T)
		DIODE SILICON	MA111-(TX)	IC7001	I1EF099720	26WLCD INVERTER CONTROL IC	OZ9972ASN-A1-2-TR
		DIODE SCHOTTKY BARRIER	, ,	IC8501	IL4J045580	AUDIO OPE-AMP SOP8	AZ4558C
<u> </u> ∆D3824					I1ZF981D50	REGULATOR 1.8V	

REF. NO.	PART NO.	DESCRIPT	ION	REF. NO.	PART NO.	DESCRIPT	ION
		ICS				COILS &TRANSFORMERS	
<u></u> IC8503	I1ZF9331D0	REGULATOR 3.3V	RP131H331D-T1-F	L3604		COIL CHOKE	EXC28CG900U
		TRANSISTORS		<u> </u>	029B000186	COIL,LINE FILTER	JLB28121
Q2301		TRANSISTOR SILICON	KTC3875S_Y_RTK	L3803		COIL	10 UH
Q2302		TRANSISTOR SILICON	KTA1505S-Y-RTK/P	L5807	021AML5N6E		0.0056UH
Q2303 Q2304		TRANSISTOR SILICON	KTA1505S-Y-RTK/P	L5808 L5809	021AMK3N6C 021AML33NJ	COIL	0.0036UH
Q2304 Q2305		TRANSISTOR SILICON TRANSISTOR SILICON	KTC3875S_Y_RTK KTC3875S_Y_RTK	L5809 L5810	021AMLR12J	COIL	0.033 UH 0.12 UH
Q2305 Q2801		COMPOUND TRANSISTOR	RT1N241C-T112-1	L8501	021ES11R8K	COIL	1.8 UH
Q2801 Q2802		COMPOUND TRANSISTOR	RT1N241C-T112-1		048728001H	TRANSFORMER,SWITCHING	8728001H
Q2808		FET	SSM3K104TU(T5L,T)	<u> </u>	0481190201	TRANSFORMER,SWITCHING	81190201
Q3001	TJRA12AU10		INK0012AU1	<u> </u>	0481330231	TRANSFORMER,SWITCHING	ETJV23ZG35AC
Q3002	TJRA12AU10		INK0012AU1	<u> </u>	0481330231	TRANSFORMER,SWITCHING	ETJV23ZG35AC
Q3004		COMPOUND TRANSISTOR	RT1P241C-T112-1	<u> </u>	0481330231	TRANSFORMER,SWITCHING	ETJV23ZG35AC
Q3005	TJ5A104TU0	FET	SSM3K104TU(T5L,T)		0481330231	TRANSFORMER, SWITCHING	ETJV23ZG35AC
Q3007	TJRA12AU10	FET	INK0012AU1			JACKS	
Q3014	TJ5A104TU0	FET	SSM3K104TU(T5L,T)	<u> </u>	064Q1A0014	JACK,AC	CCT2302-0921FC
Q3015	TJ5MC61100	FET	TPC6110(TE85L,F,M)	J4201	060K401144	RCA JACK	AV-4B-75H
Q3016		TRANSISTOR SILICON	2SC3052-T1	J4302	060K131027	HEADPHONE JACK	CKX-035-349ABZ1
Q3017		FET	TPC6110(TE85L,F,M)	J5801	06K6910002	CONNECTOR PCB SIDE	FG-01-1
Q3020		COMPOUND TRANSISTOR	RT1N141C-T112-1	J8101	060K421056	RCA JACK	AV-5A-66H
Q3021		COMPOUND TRANSISTOR	RT1N141C-T112-1	J8102	060K421058	RCA JACK	AV-5A-68H
Q3022	TJRA12AU10		INK0012AU1	J8103	060K421057	RCA JACK	AV-5A-67H
Q3023	TJRA12AU10		INK0012AU1	J8104	060K481001	RCA JACK	AV3-6B-15H
Q3608	TJRA12AU10		INK0012AU1	J8105	060K431043	RCA JACK	AV3-6D-14H
Q3609	TJRA12AU10		INK0012AU1	J8106	060K411059	RCA JACK	AV2-6B-08Z
<u></u> A Q3801 Q3802		TRANSISTOR SILICON TRANSISTOR SILICON	KTA1281_Y	SW2201	0504101T34	SWITCHES ISWITCH.TACT	EVQ21505R
Q3802 Q3803		TRANSISTOR SILICON	KTC3875S_Y_RTK KTC3875S_Y_RTK	SW2201 SW2202	0504101134 0504101T34	SWITCH, TACT	EVQ21505R EVQ21505R
Q3804		TRANSISTOR SILICON	KTA1504S_Y_RTK	SW2202 SW2203	0504101T34	SWITCH,TACT	EVQ21505R EVQ21505R
<u>∠</u> \Q3805		FET	STF16NF25	SW2203	0504101T34	SWITCH,TACT	EVQ21505R
<u>∠</u> Q3806		FET	STF16NF25	SW2205	0504101T34	SWITCH,TACT	EVQ21505R
Q3807		FET	2SK3019_TL	SW2206	0504101T34	SWITCH,TACT	EVQ21505R
Q4201		COMPOUND TRANSISTOR	RT1P241C-T112-1	SW2207	0504101T34	SWITCH,TACT	EVQ21505R
Q4202		TRANSISTOR SILICON	2SC3052-T1	SW2208	0504101T34	SWITCH,TACT	EVQ21505R
Q4203	TJRA12AU10		INK0012AU1			P.C.BOARD ASSEMBLIES	
Q4204	TJRA12AU10		INK0012AU1	PCB130	A56Q02H130	DVD MT PCB ASS'Y	DMK135A
Q4205	TNRAB05004	COMPOUND TRANSISTOR	RT1N141C-T112-1	PCB240	A56Q02H240	POWER PCB ASS'Y	CEK671A
Q4302	TJRA12AU10	FET	INK0012AU1	PCB270	A56Q02H270	OPERATION PCB ASS'Y	CEK672A
Q4303	TJRA12AU10	FET	INK0012AU1	PCBD90	A56Q02HD90	SIDE JACK PCB ASS'Y	CEK677A
Q6203	TPRAC05003	COMPOUND TRANSISTOR	RT1P241C-T112-1	PCBDA0	A56Q02HDA0	REMOCON PCB ASS'Y	CEK673A
Q6204		COMPOUND TRANSISTOR	RT1P241C-T112-1	PCBF40	A56Q02HF40	MAIN PCB ASS'Y	CMK199A
Q6205		COMPOUND TRANSISTOR	RT1N141C-T112-1			MISCELLANEOUS	
Q7001		TRANSISTOR SILICON	KTC3875S_Y_RTK	B300	024HC51216	CORE,BEADS	HCB1608KF-121T20
Q7002		TRANSISTOR SILICON	KTC3875S_Y_RTK	B301		CORE,BEADS	HCB1608KF-121T20
<u></u> ∆ Q7003	T2W0037020		2SK3702JS	B302	024HC13914	CORE,BEADS	HCB3216KF-391T20
<u>/</u> \Q7004	T2W0037020		2SK3702JS	B303		CORE,BEADS	HCB3216KF-391T20
<u></u>	T2W0037020		2SK3702JS	B304		CORE,BEADS	HCB3216KF-391T20
<u></u> ∆Q7006	T2W0037020		2SK3702JS	B305		CORE,BEADS CORE,BEADS	HCB3216KF-391T20
Q8101		TRANSISTOR SILICON	KTC3875S_Y_RTK	B2305		,	FCM1608KF-601T02
Q8102 Q8103		TRANSISTOR SILICON TRANSISTOR SILICON	KTC3875S_Y_RTK KTC3875S_Y_RTK	B2306 B2801		CORE,BEADS CORE,BEADS	FCM1608KF-601T02 FCM1608KF-221T05
Q8103 Q8104		TRANSISTOR SILICON	KTC3875S_Y_RTK	B2802		CORE,BEADS	FCM1608KF-221T05
Q8104 Q8105		COMPOUND TRANSISTOR	KRA101SRTK	B2802 B2803		CORE,BEADS	BLM21PG600SN1D
Q8106		TRANSISTOR SILICON	KTC3875S_Y_RTK	B2806		CORE,BEADS	HCB1608KF-221T20
Q8107		TRANSISTOR SILICON	KTC3875S_Y_RTK	B2807		CORE,BEADS	HCB1608KF-221T20
Q8108		TRANSISTOR SILICON	KTC3875S_Y_RTK	B2808		CORE,BEADS	HCB1608KF-221T20
Q8503		FET	SSM3J325F	B2809		CORE,BEADS	HCB1608KF-221T20
Q8504		COMPOUND TRANSISTOR	RT1N241C-T112-1	B2810		CORE,BEADS	HCB1608KF-221T20
Q8506		FET	2SK3541_T2L	B2811		CORE,BEADS	HCB1608KF-221T20
Q8507	T27T035410	FET	2SK3541_T2L	B2812		CORE,BEADS	HCB1608KF-221T20
Q8508	TJ5AJ325F0	FET	SSM3J325F	B2813		CORE,BEADS	HCB1608KF-221T20
Q8509		COMPOUND TRANSISTOR	RT1N241C-T112-1	B3003		CORE,BEADS	HCB1608KF-181T20
Q8510		TRANSISTOR SILICON	KTC3875S_Y_RTK	B3004		CORE,BEADS	BLM18PG121SN1D
<u></u> ∆Q8511		TRANSISTOR SILICON	KTA1505S-Y-RTK/P	B3006		CORE,BEADS	HCB1608KF-181T20
Q8512		TRANSISTOR SILICON	KTC3875S_Y_RTK	B3010		CORE,BEADS	HCB1608KF-181T20
1000		OILS &TRANSFORMERS	00 1111	B3012		CORE,BEADS	HCB1608KF-181T20
L300	021AMG220M		22 UH	B3601		CORE,BEADS	HCB1608KF-221T20
L301	021AMG220M		22 UH	B3801		CORE,BEADS	BLM31PG121SN1L
L302	021AMG220M		22 UH	B3802	024HT03553	CORE,BEADS	W5RH3.5X5X1.0
L303 L2801	021AMG220M	COIL CHOKE	22 UH DLP11SN900HL2L	B4003 B4007	024HC51023 024AC5221F	CORE,BEADS CORE,BEADS	FCM1608KF-102T02
L2801 L3001	02DA000124 021YEM6R4M		6.4 UH	B4007 B4008	024AC5221F 024HC51023	CORE,BEADS	BLM18BD221SN1D FCM1608KF-102T02
L3001 L3002	021YEM64R7P		4.7 UH	B4008 B4010		CORE,BEADS	FCM1608KF-102T02
L3002 L3003	021YM6100P		10 UH	B4010 B4012	024HC51023	CORE,BEADS	FCM1608KF-102T02
L3601		COIL CHOKE	EXC28CG900U	B4202	024HC51023	CORE,BEADS	FCM1608KF-102T02
L3602		COIL CHOKE	EXC28CG900U	B4202 B4203	024HC51023	CORE,BEADS	FCM1608KF-102T02
L3603		COIL CHOKE	EXC28CG900U	B4205		CORE,BEADS	HCB1608KF-121T20
L0000	3201300119	OOIL OF IOILE	L7.02000000	D-7200	02711001210	OUNE, DEADO	1100100011 121120

Martine   ModelStrate   GORD Beach   GORD	REF. NO.	PART NO.	DESCRIPT	ION	REF. NO.	PART NO.	DESCRIPT	ION
BASKIND   COMPACTOR   CORE BEADS   HIGHWRITE-TITO   SHEET   TERMINAL PAN   Y-0-36		. ANT NO.			1.L1 . 140.	1 ANT NO.		
BASCON   COMPACTOR   COMPACT			CORE,BEADS				TERMINAL PIN	
BASIST   DOCUMENT   CODE BEADS								
Basilian			· ·					
B86904   Description   Descr			· ·					
Basilian			,					
B8506   B8506   B8507   B85	B5804	024HC51216	CORE,BEADS	HCB1608KF-121T20		076R0SC011	TRANSMITTER	R56-2225
B8580B B8500 B8500 CAMPGEDITE B8500 CAMPGEDITE CAMPGE			· · · · · · · · · · · · · · · · · · ·					
B85902   Control   Contr			· ·					
B89501   ORF-BADS			*					
B8504   CAPACIDER   CORE BEADS   CHEROMS   CAPACIDER			· · · · · · · · · · · · · · · · · · ·					
B8596         024H-032216         CORE_BADS         HG8169KF-221720         CC 1H6102         CARRON CONNECTOR         CC 1H6102         CORDON CONNECTOR         CC 1H6102         CORDON CONNECTOR         CC 1H6102         CORDON CONNECTOR PC 8 SIDE         CARRON RESISTOR           C 07007         0505744011<	B8501	024NC51212	CORE,BEADS	ACMS160808A121_2A				
CD301         OBCP-M6102         CORD ONNECTOR PCB BIDE         CP 901-3890-1         CAPACITORS         CCRAMIC CAPACITOR           CP0101         06957M0580         CONNECTOR PCB BIDE         08,251,022,000,009-1         CC			· ·		RESISTOR		0.4.00.01.00.00.00.00	
ACADOTIC   1000118902   ORD SET AC   P.001-18904   ORD SET AC   P.001-18904   ORD SET AC   ORD						RC	CARBON RESISTOR	
CP091					CAPACITO	ORS		
CO2000   1285-456111   CORD_JUMPER   B545111   CP					0/11/10110		CERAMIC CAPACITOR	
CCB00000         2124/MONDOID         CORD JUMPER         294/MONDOID         CPP.         — POLYPROPYLENE CAPACITOR           CCB0200         1224/HORGOID         CORD JUMPER         294/MONDOID         CMP.         — PLASTIC CAPACITOR           CD8202         1224/HORGOID         CORD JUMPER         294/MONDOID         CMP.         METAL PLOTE CAPACITOR           CD8202         0664/268702         CORD CONNECTOR         CH258101         CMP.         METAL PLOTE CAPACITOR           CD8207         0762600         TC24408001         CORD JUMPER         CA400801         CMP.         METAL PLOTE CAPACITOR           CD8201         0862020010         CONNECTOR PRES SIDE         CA400801         CMPP.         METAL PLOTE CAPACITOR           CD8202         0862020010         CONNECTOR PRES SIDE         AZOUTIVE-SA         CMPP.         METAL PLOTYPROPYLENE CAPACITOR           CP2803         086947011         CONNECTOR PRES SIDE         AZOUTIVE-SA         CMPP.         METAL PLOTYPROPYLENE CAPACITOR           CP2804         086947011         CONNECTOR PRES SIDE         AZOUTIVE-SA         CMPP.         METAL PLOTYPROPYLENE CAPACITOR           CP2803         086947011         CONNECTOR PRES SIDE         AZOUTIVE-SA         CMPP.         METAL PLOTYPROPYLENE CAPACITOR           CP2803								TOR
C059030   05CH268801   CORD CONNECTOR   CH268801   CPL								
C014203   1214000601   CORD_JUMPER   ZH000601   CAPP								
CD4202 06-06-26-26-10 CORD JUMPER CH258102 CM-06-26-26-10 CM-06-26-26-10 CM-06-26-26-10 CM-06-26-26-10 CM-06-26-26-10 CM-06-26-26-26-26-26-26-26-26-26-26-26-26-26								R
CORD207 CORB207 CORD207 CORD201 CORD20								IX.
CDB207         D6CH265010         CORD JUMPER         CH26601         CC4408001         CC440801         CORD JUMPER         C4408001           CP2201         D6GG250019         CONNECTOR PDS BIDE         A2001WR-5A         A2001WR-5A           CP2302         D6GG320019         CONNECTOR PDS BIDE         A2001WR-5A           CP2303         D6EVX17111         CONNECTOR PDS BIDE         A2001WR-5A           CP2303         D6GG260020         CONNECTOR PDS BIDE         A2001WW-17A           CP2803         D6GG280020         CONNECTOR PDS BIDE         A2001WW-17A           CP2804         D6GG280020         CONNECTOR PDS BIDE         A2001WW-11A           CP2805         D6GG280020         CONNECTOR PDS BIDE         A2001WW-11A           CP2806         D6GG280020         CONNECTOR PDS BIDE         A2001WW-11A           CP2807         D6GG37/3002         CONNECTOR PDS BIDE         A2001WW-11A           CP2808         D6GG37/3002         CONNECTOR PDS BIDE         A2001WW-12A           CP2801         D6GG37/3002         CONNECTOR PDS BIDE         A2001WW-12A           CP4201         D6GG37/3002         CONNECTOR PDS BIDE         CHIMD-2+KC223000           CP4201         D6GG37/3002         CONNECTOR PDS BIDE         CHIMD-2+KC223000								ACITOR
CP2201 066G250919 CONNECTOR PCB SIDE A2001WR-SA CP2202 066G20019 CONNECTOR PCB SIDE FC1.00-WTX-22P CP2302 066G201919 CONNECTOR PCB SIDE CP2303 068EV47011 CONNECTOR PCB SIDE CP2303 068EV47011 CONNECTOR PCB SIDE CP2303 068EV47011 CONNECTOR PCB SIDE CP2304 066G270029 CONNECTOR PCB SIDE CP2304 066G270029 CONNECTOR PCB SIDE CP2304 066G280029 CONNECTOR PCB SIDE CP2305 066G280029 CONNECTOR PCB SIDE CP2306 066G280029 CONNECTOR PCB SIDE CP2306 066G280029 CONNECTOR PCB SIDE CP2306 066G39029 CONNECTOR PCB SIDE CP2306 066G39029 CONNECTOR PCB SIDE CP2306 066G39029 CONNECTOR PCB SIDE CP2306 066G391302 CONNECTOR PCB SIDE CP2307 066G91302 C								
CP2202 065G230019 CONNECTOR PCS SIDE PFC.10-0-VTY-22P CP2302 065GV47011 CONNECTOR PCS SIDE PFC.10-0-VTY-22P CP2302 065GV47011 CONNECTOR PCS SIDE PFC.10-0-VTY-22P CP2302 065GV47011 CONNECTOR PCS SIDE A2001VV-7A CP2302 065G230029 CONNECTOR PCS SIDE A2001VV-11A CP2302 065G230029 CONNECTOR PCS SIDE A2001VV-14A CP2302 065G230029 CONNECTOR PCS SIDE CP3003 065SV302C CONNECTOR PCS SIDE CP3003 065SV302C CONNECTOR PCS SIDE CP3003 065SV302C CONNECTOR PCS SIDE CP4202 065SV302C CONNECTOR PC								
CP2901 066GWMT000   CONNECTOR PCS SIDE   PEC-1.0D-WTX-22P   04.932.10.5 1/2.800+   04.932.1								
CP2020 066FV7011 CONNECTOR PCB SIDE								
CP2801         96GG270022         CONNECTOR PCB SIDE         A2001WV-7A           CP2803         96GG280022         CONNECTOR PCB SIDE         A2001WV-1A           CP2806         96GG280022         CONNECTOR PCB SIDE         A2001WV-6A           CP2807         96GG280022         CONNECTOR PCB SIDE         A2001WV-6A           CP2801         96GG280022         CONNECTOR PCB SIDE         A2001WV-6A           CP4201         96GSY4302C         CONNECTOR PCB SIDE         A2001WV-6A           CP4202         96GSY4302C         CONNECTOR PCB SIDE         C+10M-24C223000           CP4203         96GSY4302C         CONNECTOR PCB SIDE         C+10M-24C223000           CP4204         96GSY4302C         CONNECTOR PCB SIDE         C+10M-24C223000           CP4203         96GSY4302C         CONNECTOR PCB SIDE         C+10M-24C223000           CP4204         96GSY4302C         CONNECTOR PCB SIDE         C+10M-24C22300           CP4204         96GSY4302C         CONNECTOR PCB SIDE         C+10M-24C22300           CP7004         96GRW200919         CONNECTOR PCB SIDE         C+10M-24C2240           CP7004         96GRW200919         CONNECTOR PCB SIDE         2015WR-07LDD1           CP8102         96GSY20109         CONNECTOR PCB SIDE         2015WR-0								
CP2802         08G0280002         DCNNECTOR PCB SIDE         C-015-64Z21000           CP2806         06AFV05610         CONNECTOR PCB SIDE         C-015-64Z221000           CP2002         06GC280002         CONNECTOR PCB SIDE         C-010-64Z22000           CP2003         06GSY3/302C         CONNECTOR PCB SIDE         C-010-64Z22000           CP2002         06GSY3/302C         CONNECTOR PCB SIDE         C-10M2-4K223000           CP4201         098YC91156         CONNECTOR PCB SIDE         C-10M2-4K223000           CP4202         096SY3/302C         CONNECTOR PCB SIDE         C-10M2-4K223000           CP4203         096Y20310         CONNECTOR PCB SIDE         C-10M2-4K223000           CP4204         096SY20300         CONNECTOR PCB SIDE         C-10M2-4K223000           CP2001         096C250002         CONNECTOR PCB SIDE         C-10M2-4K6223000           CP2002         096C325002         CONNECTOR PCB SIDE         C-10M2-4K6223000           CP7003         096C325002         CONNECTOR PCB SIDE         C-10M2-4K72470           CP8004         096RW20210         CONNECTOR PCB SIDE         C-10M8-7LD1           CP8010         096RW20210         CONNECTOR PCB SIDE         C-10M8-7LD1           CP8020         096SV20330         CONNECTOR PCB SIDE	CP2303	069EV4T011	CONNECTOR PCB SIDE	04_6232_104_102_800+				
CP2803 08GSAA101 CONNECTOR PCB SIDE C 4015-4K221000 CP2806 06G26002 CONNECTOR PCB SIDE A 2001WV-6A CP3003 08GFW30302 CONNECTOR PCB SIDE C 4016W-6A CP3003 08GFW30302 CONNECTOR PCB SIDE C 4016W-6A CP3003 08GSW302C CONNECTOR PCB SIDE C 4016W-6A CP3003 08GSW302C CONNECTOR PCB SIDE C 4016W-6A CP3003 08GSW302C CONNECTOR PCB SIDE C 4016W-6A CP4203 08GFW30302 CONNECTOR PCB SIDE C 4016W-6A CP4203 08GFW30303 CONNECTOR PCB SIDE C 4016W-6A CP4203 08GFW30303 CONNECTOR PCB SIDE C 4016W-6A CP7004 08GFW20303 CONNECTOR PCB SIDE C 4016W-6A CP7004 08GFW20303 CONNECTOR PCB SIDE C 4016W-6A CP8102 08GFW20303 CONNECTOR P								
CP2806         60AEY05510         CONNECTOR PCB SIDE         4.8800 585.012.848+           CP2903         606G260028         CONNECTOR PCB SIDE         4.000 585.012.848+           CP3801         66SY.3302C         CONNECTOR PCB SIDE         CHADM.24K223000           CP4202         066SY.3302C         CONNECTOR PCB SIDE         CHADM.24K223000           CP4203         066SY.2102C         CONNECTOR PCB SIDE         CHADM.24K223000           CP4203         066SY.2102C         CONNECTOR PCB SIDE         CHADM.24K223000           CP4204         066SY.20151         CONNECTOR PCB SIDE         CHADM.24K223000           CP6201         066SY.20120         CONNECTOR PCB SIDE         CHADM.24K223000           CP6201         066SY.20120         CONNECTOR PCB SIDE         CHADM.24K22306.00,800+           CP7000         06GRW20019         CONNECTOR PCB SIDE         CONNECTOR PCB SIDE           CP7000         06GRW20019         CONNECTOR PCB SIDE         CONNECTOR PCB SIDE           CP8010         06GRW20019         CONNECTOR PCB SIDE         CONNECTOR PCB SIDE           CP8021         06GSY.20130         CONNECTOR PCB SIDE         CONNECTOR PCB SIDE           CP8021         06GSY.20130         CONNECTOR PCB SIDE         CONNECTOR PCB SIDE           CP8021         0								
CP3002         06GG280029         CONNECTOR PCB SIDE         A2010/W-6A           CP3003         06GG280029         CONNECTOR PCB SIDE         C-16DM-2-KC223000           CP3001         06GSYJ302C         CONNECTOR PCB SIDE         C-16DM-2-KC223000           CP4201         06SSYJ302C         CONNECTOR PCB SIDE         C-16DM-2-KC223000           CP4202         06SEY03030         CONNECTOR PCB SIDE         DDTT2-24ND-03           CP4204         06SEY03030         CONNECTOR PCB SIDE         MO-00021-R           CP2041         06SEY03030         CONNECTOR PCB SIDE         MO-00021-R           CP7001         06GGX800291         CONNECTOR PCB SIDE         20015WR-07LD01           CP7002         0F0RW20191         CONNECTOR PCB SIDE         20015WR-07LD01           CP8010         0F0RW20191         CONNECTOR PCB SIDE         20015WR-07LD01           CP8101         0F0RW20191         CONNECTOR PCB SIDE         20015WR-07LD01           CP8010         0F0RW20192         CONNECTOR PCB SIDE         20015WR-07LD01           CP8020         0F0RW20300         CONNECTOR PCB SIDE         20015WR-07LD01           CP8030         0F0RW20300         CONNECTOR PCB SIDE         0.6232.016_006_800+           CP8030         0F0RW20300         CONNECTOR PCB SIDE <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
CP8801 CP8802 CP8201 CP3201								
CP8020 CP4201 CP4201 CP4201 CP4202 CP4203 OBSKYOT159 CONNECTOR PCB SIDE LOTTZ-24NLD-03 OBSEVC0303 CONNECTOR PCB SIDE OD. 6232_026_006_800+         CP4204 CP4204 CP4204 OBSEVC3030 CONNECTOR PCB SIDE OD. 6232_026_006_800+         CP0201 OBSEVC3030 CONNECTOR PCB SIDE OD. 6232_026_006_800+         CP0201 OBSEVC3030 CONNECTOR PCB SIDE OD. 6232_026_006_800+         CP0201 OBSEVC3030 CONNECTOR PCB SIDE OD. 6232_012_008_800+         CP0201 OBSEVC3030 CONNECTOR PCB SIDE AZ0019VV-6A         CP0201 OBSEVC3030 CONNECTOR PCB SIDE OD. 6232_012_008_800+         CP0201 OBSEVC3030 CONNECTOR PCB SIDE OD. 6232_012_008_800+         CP0201 OBSEVC3030 CONNECTOR PCB SIDE OD. 6232_012_008_800+         CP0201 OBSEVC3030 CONNECTOR PCB SIDE OD. 6232_015WR-07LD01 OBSEVC3030 CONNECTOR PCB SIDE OD. 6232_012_008_800+         CP0201 OBSEVC3030 CONNECTOR PCB SIDE OD. 6232_015WR-07LD01 OBSEVC3030 CONNECTOR PCB SIDE OD. 6232_012_008_800+         CONNECTOR PCB SIDE OD. 6232_012_008_800+         CP0201 OBSEVC3030 CONNECTOR PCB SIDE OD. 6232_012_008_800+         CONNECTOR PCB SIDE OD. 6232_008_800+         CONNECTOR PCB			CONNECTOR PCB SIDE	00_6216_022_000_808+				
CP4201 CP4201 CP4202         068FV07159 CONNECTOR PCB SIDE         LD07TZ-24ND-03           CP4203 CP4204 CP4204 CP4204 CP4203 CONNECTOR PCB SIDE CP4201 0667S21501 CONNECTOR PCB SIDE CP5201 CP7001 CP7001 CP7001 CP7002 CP7001 CP7001 CP7002 CP7003 CP7003 CP7003 CP7003 CP7003 CP7004 CP7002 CP7003 CP7004 CP7002 CP7003 CP7004 CP7002 CP7003 CP7004 CP7								
CP4202 CP4202 CP4203 (ORS)         069FV23030 (ORNECTOR PCB SIDE (ONNECTOR								
CP4203 CP4204								
CP4204         069EV203020         CONNECTOR PCB SIDE         0.0 ±232 ±12 ±000 ±000 ±000           CP7001         06GGW20019         CONNECTOR PCB SIDE         20015WR-07LD01           CP7002         06GRW20019         CONNECTOR PCB SIDE         20015WR-07LD01           CP7003         06GRW20019         CONNECTOR PCB SIDE         20015WR-07LD01           CP7004         06GRW20019         CONNECTOR PCB SIDE         20015WR-07LD01           CP8101         069EV20303         CONNECTOR PCB SIDE         20015WR-07LD01           CP8501         06GEV02030         CONNECTOR PCB SIDE         0.0 £322 ±12 ±00 ±000 ±000 ±000 ±000 ±000 ±000								
CP7001         06GRW20019         CONNECTOR PCB SIDE         20015WR-07LD01           CP7002         06GRW20019         CONNECTOR PCB SIDE         20015WR-07LD01           CP7004         06GRW20019         CONNECTOR PCB SIDE         20015WR-07LD01           CP8101         06GRW20019         CONNECTOR PCB SIDE         20015WR-07LD01           CP8102         069EV02303         CONNECTOR PCB SIDE         00.6322.0019           CP8501         06GG260019         CONNECTOR PCB SIDE         05010HR-24B           CP8502         CONNECTOR PCB SIDE         05010HR-24B           CP8501         CONNECTOR PCB SIDE         05010HR-24B           CP8502         CONNECTOR PCB SIDE         05010HR-24B           EL2401         1241102814         EYE LET         EYE LET           EL2402         1241203014         EYE LET         EYE LET KYPK92030BD           HS307         136D000044         TERMINAL PIN         YQ-36           HS303         136D000044         TERMINAL PIN         YQ-36           NR2805         110P4200M5         R, NETWORK         4D02WGJ0020TCE           NR2806         110P44000M5         R, NETWORK         4D02WGJ0000TCE           NR2807         110P4000M5         R, NETWORK         4D02WGJ0000TCE </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
CP7002 CP7003 OGGRW20019 CP7004 OGGRW20019 OGGRW20019 CONNECTOR PCB SIDE OGGRW20019 CONNECTOR PCB SIDE OGONECTOR PCB SIDE OFFICIAL STATE SIDE OFFICIAL S								
CP7004         06GRW20019         CONNECTOR PCB SIDE         20015WR-07LDD1           CP8101         06GRW20019         CONNECTOR PCB SIDE         20015WR-07LDD1           CP8102         06SEVC3030         CONNECTOR PCB SIDE         0.6322_012_06_800+           CP8501         06GGY00109         CONNECTOR PCB SIDE         0.6322_012_06_800+           CP8502         06GG260019         CONNECTOR PCB SIDE         0.5010HR-24B           EL2401         124116281A         EYE LET         EYE LET KRY16X28BD           ¥-73801         0805A06303         FUSE         SC501306_3P-R(GF-009)           Å-73801         0805A06303         FUSE         SC501306_3P-R(GF-009)           H-8301         126D000044         TERMINAL PIN         YO-36           H-8302         126D000044         TERMINAL PIN         YO-36           NR2805         110P420M5         R.NETWORK         4D02WG_J0220TCE           NR2807         110P4000M5         R.NETWORK         4D02WG_J0000TCE           NR2807         11074223M7         R.NETWORK         4D02WG_J0000TCE           NR2812         11074000M5         R.NETWORK         CRA108223JV           NR2813         11074000M5         R.NETWORK         CRA108223JV           NR2816         110P4								
CP7004         666RW20019         CONNECTOR PCB SIDE         20015WR-07LD01           CP8102         069EV203030         CONNECTOR PCB SIDE         06,632_026_006_800+           CP8501         066GC20019         CONNECTOR PCB SIDE         05010HR-24B           CP8502         06GG260019         CONNECTOR PCB SIDE         A2001WR-6A           EL2401         12416281A         EYE LET         EYE LET XRY20308D           A F3801         9055A05303         FUSE         SG501306_3P-R(GF-009)           M F3301         126D000044         TERMINAL PIN         YQ-36           H S303         126D0000044         TERMINAL PIN         YQ-36           NR2804         110P4220M5         R,NETWORK         4D02WGJ0220TCE           NR2805         110P4000M5         R,NETWORK         4D02WGJ0000TCE           NR2807         110P4000M5         R,NETWORK         4D02WGJ0000TCE           NR2808         110P4000M5         R,NETWORK         4D02WGJ0000TCE           NR2811         11074223M7         R,NETWORK         CRA108223JV           NR2812         110P4000M5         R,NETWORK         CRA108223JV           NR2817         110P4000M5         R,NETWORK         CRA108223JV           NR2817         110P4000M5         R								
CP8101         069EVQ3030         CONNECTOR PCB SIDE         00_6232_012_006_800+           CP8501         069EVC3030         CONNECTOR PCB SIDE         00_6232_012_006_800+           CP8502         06GG260019         CONNECTOR PCB SIDE         05010HR-24B           EL2401         124116281A         CONNECTOR PCB SIDE         A2001WR-6A           EL2402         124120301A         EYE LET         EYE LET XRY16X28BD           F3801         0805A06303         FUSE         SG501306.3P-R(GF-009)           MS301         126D000044         TERMINAL PIN         YQ-36           HS302         126D000044         TERMINAL PIN         YQ-36           NR2805         110P4220M5         R, NETWORK         4D02WGJ0220TCE           NR2806         110P4000M5         R, NETWORK         4D02WGJ0000TCE           NR2807         110P4000M5         R, NETWORK         4D02WGJ0000TCE           NR2810         11074223M7         R, NETWORK         4D02WGJ0000TCE           NR2811         11074223M7         R, NETWORK         CRA108223JV           NR2813         110P4000M5         R, NETWORK         CRA108223JV           NR2817         110P4000M5         R, NETWORK         CRA108223JV           NR2817         110P4000M5								
CP8501 CP8502 EL2401 EL2402 J24112301A F3801 MCR0 5035A05303 F3807 MCR0 FUSE HS301 HS302 NR2804 NR2804 NR2805 NR2806 NR2807 NR2807 NR2807 NR2808 NR2807 NR2808 NR2809 NR2809 NR2801 NR2801 NR2808 NR2809 NR2807 NR2808 NR2809 NR2809 NR2809 NR2801 NR2801 NR2808 NR2809 NR2809 NR2801 NR2801 NR2801 NR2808 NR2809 NR2809 NR2809 NR2801 NR2808 NR2809 NR2800 N								
CP8502 EL2401 EL2402								
EL2401         124116281A         EYE LET         EYE LET XRY16X28BD           £ 73801         0805A06303         FUSE         SG501306.3P-R(GF-009)           ★ 73807         0835A07005         MICRO FUSE         20N_7000FSW           HS301         126D000044         TERMINAL PIN         YQ-36           HS302         126D000044         TERMINAL PIN         YQ-36           NR2804         110P4220M5         R,NETWORK         4D02WGJ0220TCE           NR2805         110P4220M5         R,NETWORK         4D02WGJ0200TCE           NR2806         110P4000M5         R,NETWORK         4D02WGJ0000TCE           NR2807         110P4000M5         R,NETWORK         4D02WGJ0000TCE           NR2809         11074223M7         R,NETWORK         4D02WGJ0000TCE           NR2810         11074223M7         R,NETWORK         CRA108223JV           NR2811         11074223M7         R,NETWORK         CRA108223JV           NR2813         11074223M7         R,NETWORK         CRA108223JV           NR2816         110P4000M5         R,NETWORK         CRA108223JV           NR2817         1109400M5         R,NETWORK         CRA108223JV           NR2817         110P4000M5         R,NETWORK         CRA108223JV								
EL2402								
▲ F3807         0805A06303         FUSE         SG501306.3P-R(GF-009)           ★ F3807         0835A07005         MICRO FUSE         20N_7000FSW           HS301         126D000044         TERMINAL PIN         YQ-36           HS303         126D000044         TERMINAL PIN         YQ-36           NR2804         110P4220M5         R,NETWORK         4D02WGJ0220TCE           NR2805         110P4000M5         R,NETWORK         4D02WGJ0000TCE           NR2807         110P4000M5         R,NETWORK         4D02WGJ0000TCE           NR2809         110P4000M5         R,NETWORK         4D02WGJ0000TCE           NR2811         11074223M7         R,NETWORK         CRA108223JV           NR2812         110P4000M5         R,NETWORK         CRA108223JV           NR2813         11074223M7         R,NETWORK         CRA108223JV           NR2816         110P4000M5         R,NETWORK         CRA10823JV           NR2817         110P4000M5         R,NETWORK         CRA10823JV           NR2817         110P4000M5         R,NETWORK         CRA10823JV           NR2817         110P4000M5         R,NETWORK         CRA10823JV           NR2817         110P4000M5         R,NETWORK         CRA10823JV								
HS301 126D000044 TERMINAL PIN YQ-36 HS302 126D000044 TERMINAL PIN YQ-36 HS303 126D000044 TERMINAL PIN YQ-36 NR2804 110P4220M5 R,NETWORK 4D02WGJ0220TCE NR2805 110P4220M5 R,NETWORK 4D02WGJ0000TCE NR2806 110P4000M5 R,NETWORK 4D02WGJ0000TCE NR2808 110P4000M5 R,NETWORK 4D02WGJ0000TCE NR2809 11074223M7 R,NETWORK 4D02WGJ0000TCE NR2810 11074223M7 R,NETWORK CR4108223JV NR2811 11074223M7 R,NETWORK CR4108223JV NR2812 110P4000M5 R,NETWORK CR4108223JV NR2813 110P4000M5 R,NETWORK CR4108223JV NR2816 110P4000M5 R,NETWORK CR4108223JV NR2817 110P4000M5 R,NETWORK CR4108223JV NR2818 11074223M7 R,NETWORK CR4108223JV NR2819 110P4000M5 R,NETWORK CR4108223JV NR2810 110P4000M5 R,NETWORK CR4108223JV NR2811 110P4000M5 R,NETWORK CR4108223JV NR2816 110P4000M5 R,NETWORK CR410823JV NR2817 110P4000M5 R,NETWORK CR410823JV NR2818 110P4000M5 R,NETWORK CR410823JV NR2819 110P4000M5 R,NETWORK CR410823JV NR2810 110P4000M5 R,NETWORK CR410823JV NR2811 110P4000M5 R,NETWORK CR410823JV NR2812 SP301 07707038009 R,NETWORK CR4108330JV SP301 07707056012 SPEAKER S0412F20 SP301 07707056012 SPEAKER S0412F20 SP302 0707056012 SPEAKER S0412F20	_							
HS302 126D000044 TERMINAL PIN YQ-36 HS303 126D000044 TERMINAL PIN YQ-36 NR2804 110P4220M5 R,NETWORK 4D02WGJ0220TCE NR2805 110P4000M5 R,NETWORK 4D02WGJ0000TCE NR2807 110P4000M5 R,NETWORK 4D02WGJ0000TCE NR2808 110P4000M5 R,NETWORK 4D02WGJ0000TCE NR2809 11074223M7 R,NETWORK 4D02WGJ0000TCE NR2811 11074223M7 R,NETWORK CRA108223JV NR2812 110P4000M5 R,NETWORK CRA108223JV NR2813 11074223M7 R,NETWORK CRA108223JV NR2814 11074223M7 R,NETWORK CRA108223JV NR2815 110P4000M5 R,NETWORK CRA108223JV NR2816 110P4000M5 R,NETWORK CRA108223JV NR2817 110P4000M5 R,NETWORK CRA108223JV NR2818 11074223M7 R,NETWORK CRA108223JV NR2819 110P4000M5 R,NETWORK CRA10823JV NR2810 110P4000M5 R,NETWORK CRA10823JV NR2811 110P4000M5 R,NETWORK CRA10823JV NR2810 110P4000M5 R,NETWORK CRA10823JV NR2811 110P4000M5 R,NETWORK CRA10823JV NR2810 110P4000M5 R,NETWORK CRA10823JV NR2811 110P4000M5 R,NETWORK CRA10823JV NR2811 STOPPANOR R,NETWORK CRA108330JV NR2812 SP301 O70Y056012 SPEAKER S0412F20 SP301 SPEAKER S0412F20 SPEAKER S0412F20	<u>/\</u> F3807	0835A07005						
HS303 126D000044 TERMINAL PIN YQ-36 NR2804 110P4220M5 R,NETWORK 4D02WGJ0220TCE NR2806 110P4200M5 R,NETWORK 4D02WGJ0000TCE NR2807 110P4000M5 R,NETWORK 4D02WGJ0000TCE NR2808 110P4000M5 R,NETWORK 4D02WGJ0000TCE NR2809 11074223M7 R,NETWORK 4D02WGJ0000TCE NR2811 11074223M7 R,NETWORK CRA108223JV NR2811 11074223M7 R,NETWORK CRA108223JV NR2812 110P4000M5 R,NETWORK CRA108223JV NR2813 11074223M7 R,NETWORK CRA108223JV NR2814 110P4000M5 R,NETWORK CRA108223JV NR2815 110P4000M5 R,NETWORK CRA108223JV NR2816 110P4000M5 R,NETWORK CRA108223JV NR2817 110P4000M5 R,NETWORK CRA108223JV NR2818 11074223M7 R,NETWORK CRA108223JV NR2819 110P4000M5 R,NETWORK CRA108223JV NR2810 110P4000M5 R,NETWORK CRA108223JV NR2811 110P4000M5 R,NETWORK CRA10823JV NR2810 110P4000M5 R,NETWORK CRA10823JV NR2811 110P4000M5 R,NETWORK CRA10830JV OS7601 077Q038009 REMOTE RECEIVER KSM-2003TCW2P △SP301 070Y056012 SPEAKER S0412F20								
NR2804       110P4220M5       R,NETWORK       4D02WGJ0220TCE         NR2805       110P4200M5       R,NETWORK       4D02WGJ0000TCE         NR2806       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2807       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2808       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2810       11074223M7       R,NETWORK       CRA108223JV         NR2811       11074223M7       R,NETWORK       CRA108223JV         NR2812       110P4000M5       R,NETWORK       CRA108223JV         NR2813       11074223M7       R,NETWORK       CRA108223JV         NR2816       110P4000M5       R,NETWORK       CRA108223JV         NR2817       110P4000M5       R,NETWORK       CRA108223JV         NR2817       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR4002       11074330M7       R,NETWORK       4D02WGJ0000TCE         NR4002       11074330M7       R,NETWORK       CRA108330JV         NSP301       070Y056012       SPEAKER       S0412F20         NSP302       070Y056012       SPEAKER       S0412F20								
NR2805       110P4220M5       R,NETWORK       4D02WGJ0220TCE         NR2806       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2807       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2808       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2809       11074223M7       R,NETWORK       CRA108223JV         NR2810       11074223M7       R,NETWORK       CRA108223JV         NR2811       11074223M7       R,NETWORK       CRA108223JV         NR2813       11074223M7       R,NETWORK       4D02WGJ0000TCE         NR2816       110P4000M5       R,NETWORK       CRA108223JV         NR2817       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2817       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2817       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR4002       11074330M7       R,NETWORK       CRA108330JV         OS7601       077Q038009       REMOTE RECEIVER       KSM-2003TCW2P         SPEAKER       S0412F20         SPEAKER       S0412F20								
NR2806       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2807       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2808       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2809       11074223M7       R,NETWORK       CRA108223JV         NR2810       11074223M7       R,NETWORK       CRA108223JV         NR2811       110P4000M5       R,NETWORK       CRA108223JV         NR2812       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2816       110P4000M5       R,NETWORK       CRA108223JV         NR2817       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR4002       11074330M7       R,NETWORK       4D02WGJ0000TCE         NR4002       11074330M7       R,NETWORK       CRA108330JV         OS7601       077Q038009       REMOTE RECEIVER       KSM-2003TCW2P         SPEAKER       S0412F20         SPEAKER       S0412F20								
NR2808       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2809       11074223M7       R,NETWORK       CRA108223JV         NR2810       11074223M7       R,NETWORK       CRA108223JV         NR2811       11074223M7       R,NETWORK       CRA108223JV         NR2812       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2813       11074223M7       R,NETWORK       CRA108223JV         NR2816       110P4000M5       R,NETWORK       CRA108223JV         NR2817       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR4002       110743230M7       R,NETWORK       4D02WGJ0000TCE         NR4002       11074330M7       R,NETWORK       CRA108330JV         OS7601       0770038009       REMOTE RECEIVER       KSM-2003TCW2P         SPEAKER       S0412F20         SPEAKER       S0412F20			l '					
NR2809       11074223M7       R,NETWORK       CRA108223JV         NR2810       11074223M7       R,NETWORK       CRA108223JV         NR2811       11074223M7       R,NETWORK       CRA108223JV         NR2812       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2813       11074223M7       R,NETWORK       CRA108223JV         NR2816       110P4000M5       R,NETWORK       CRA108223JV         NR2817       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2817       110P4330M7       R,NETWORK       4D02WGJ0000TCE         NR4002       11074330M7       R,NETWORK       CRA108330JV         OS7601       0770038009       REMOTE RECEIVER       KSM-2003TCW2P         SPEAKER       S0412F20         SPEAKER       S0412F20								
NR2810       11074223M7       R,NETWORK       CRA108223JV         NR2811       11074223M7       R,NETWORK       CRA108223JV         NR2812       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2813       11074223M7       R,NETWORK       CRA108223JV         NR2816       110P4000M5       R,NETWORK       CRA108223JV         NR2817       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR4002       11074330M7       R,NETWORK       4D02WGJ0000TCE         NR4002       11074330M7       R,NETWORK       CRA108330JV         OS7601       077Q038009       REMOTE RECEIVER       KSM-2003TCW2P         SP301       070Y056012       SPEAKER       S0412F20         SPEAKER       S0412F20								
NR2811       11074223M7       R,NETWORK       CRA108223JV         NR2812       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2813       11074223M7       R,NETWORK       CRA108223JV         NR2816       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2817       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR4002       11074330M7       R,NETWORK       CRA108330JV         OS7601       077Q038009       REMOTE RECEIVER       KSM-2003TCW2P         SP301       070Y056012       SPEAKER       S0412F20         SP5302       070Y056012       SPEAKER       S0412F20								
NR2812       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2813       11074223M7       R,NETWORK       CRA108223JV         NR2816       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2817       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR4002       11074330M7       R,NETWORK       4D02WGJ0000TCE         CRA108330JV       R,NETWORK       CRA108330JV         OS7601       077Q038009       REMOTE RECEIVER       KSM-2003TCW2P         SP301       070Y056012       SPEAKER       S0412F20         SPEAKER       S0412F20								
NR2816       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR2817       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR4002       11074330M7       R,NETWORK       CRA108330JV         OS7601       077Q038009       REMOTE RECEIVER       KSM-2003TCW2P         SP301       070Y056012       SPEAKER       S0412F20         SP5302       070Y056012       SPEAKER       S0412F20								
NR2817       110P4000M5       R,NETWORK       4D02WGJ0000TCE         NR4002       11074330M7       R,NETWORK       CRA108330JV         OS7601       077Q038009       REMOTE RECEIVER       KSM-2003TCW2P         SP301       070Y056012       SPEAKER       S0412F20         SP5302       070Y056012       SPEAKER       S0412F20								
NR4002       11074330M7       R,NETWORK       CRA108330JV         OS7601       077Q038009       REMOTE RECEIVER       KSM-2003TCW2P         △SP301       070Y056012       SPEAKER       S0412F20         SP5302       070Y056012       SPEAKER       S0412F20								
OS7601     077Q038009     REMOTE RECEIVER     KSM-2003TCW2P       △SP301     070Y056012     SPEAKER     S0412F20       △SP302     070Y056012     SPEAKER     S0412F20			· ·					
△SP301       070Y056012       SPEAKER       S0412F20         △SP302       070Y056012       SPEAKER       S0412F20								
SH3002   126D000044   TERMINAL PIN YQ-36	<u></u> SP302							
	SH3002	126D000044	TERMINAL PIN	YQ-36				

SPEC.NO.	M56Q-02H
O/R NO.	K115056